Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS—STEAM AND ELECTRIC

New York—Columbus & Mayville R.R. Co. granted franchise for railway through Columbus Township, Mayville. C. P. Northrup, Corry, Penn., Pres.

New York—New York State Rys. asked for franchise to extend Elm St. Line, Utica. B. E. Tilton, Utica, Gen. Mgr. Noted Aug. 5.

Pennsylvania—Eastern Pennsylvania Rys. Co. plans expenditure of $216,000 for improvements, including two-mile extension from Nichols St., Pottsville, to St. Clair. W. B. Rockwell, Pottsville, Mgr. and Pur. Agt.

Maryland—Chambersburg, Greencastle & Waynesboro St. Ry. Co. plans extension from Blue Ridge Summit to either Thurmont or Emmitsburg, eight or 10 miles. D. B. Fretz, Chambersburg, Penn., Pres.

Maryland—Hagerstown & Frederick Ry. Co. considering proposition to extend line from Thurmont to Emmitsburg, Md., about seven miles. E. L. Coblentz, Frederick, Pres.

Virginia—Chester & City Point Electric Ry. Corporation incorporated to construct railway from Chester to Hopewell and City Point, nine miles. H. D. Eichelberger, Pres.

West Virginia—Monongahela Traction Co. has made preliminary survey for extension from Fairmont to Glenville. S. B. Miller, Fairmont, Ch. Engr. Noted Sept. 2.

North Carolina—Watauga & Yadkin River R.R. contemplates extension from Darby to either Blowing Rock or Boone. H. C. Landon, North Wilkesboro, Gen. Mgr.

Georgia—Adams & Sturm, Columbus, Ohio, is interested in proposed Atlanta-Carolina Electric Ry. from Atlanta to Augusta, Ga.

Alabama—Alabama & Mississippi R.R. plans to extend line from Vinegar Bend, Ala., to Evanston, Miss. N. E. Turner, Vinegar Bend, Pres.

Louisiana—Krause & Managan Lumber Co. plans tramroad, 3½ miles long with two miles of spur track, on timber land at Gillis.

Kentucky—Louisville & Nashville R.R. is surveying for a line from Ermine along Colly Creek to coal and timber tracts. W. H. Courtenay, Louisville, Ch. Engr.

Ohio—Cleveland Ry. has asked for a franchise for a line on State Road through Brooklyn Township. G. L. Radcliffe, Cleveland, Gen. Mgr.

Ohio—West End Rapid Transit Co., recently incorporated, will construct railway from Anderson's Ferry to the intersection of Third and Vine St., Cincinnati, to furnish an entrance to the city for the Cincinnati, Lawrenceburg & Aurora Electric St. R.R. Co.

Indiana—Plans being considered for an electric railway from Fisher's Station to Marion, via Noblesville, Perkinsville and Elwood.

Wisconsin—S. C. Lingelbach, Milwaukee, is interested in railway from Green Bay to Sheboygan via Manitowoc.

✚**Wisconsin**—Badger Ry. & Light Co. awarded contract for completing local and interurban street railway system to C. E. COON & CO., Cleveland, Ohio.

Minnesota—St. Paul Southern Electric Ry. Co. asked to construct a railway from Inver Grove to St. Paul Park, northward to Red Rock. W. L. Sonntag, St. Paul, Gen. Mgr.

North Dakota—Midland Continental R.R. plans to extend line from Wimbledon to Grand Forks. J. M. Mall, Pres.

South Dakota—Great Northern Ry. plans railway from Sioux Falls to Denver, Colo. A. H. Hogeland, St. Paul, Minn., Ch. Engr.

✚**Montana**—Chicago, Milwaukee & St. Paul Ry. awarded contract for railway from Three Forks to Radersburg, Mont., to CLIFTON, APPLEGATE & CO., Spokane, Wash. C. F. Loweth, Chicago, Ch. Engr.

Montana—Great Falls & Southwestern Ry. incorporated to construct railway from Ulm to Hound Creek, east of Great Falls, about 60 miles.

Montana—Surveys being made for a railway from Nye to Cook, Mont.

Missouri—Ozark Ry. Co. will issue $125,000 bonds and $250,000 stock for line from Missouri to Arkansas.

Missouri—Project for Nevada, Lebanon & Eastern R.R. between Lebanon and Nevada is being revived. S. W. Thompson interested.

Oklahoma—St. Louis & San Francisco R.R. plans to enlarge its yards at Afton. F. G. Jonah, St. Louis, Ch. Engr.

Texas—Galveston, Harrisburg & San Antonio Ry. granted permission for industrial track over C. H. Milby property. W. B. Scott, Houston, Pres.

Arizona—Atchison, Topeka & Santa Fé Ry. will construct line from Seligman to Bagdad district, tapping Hillside mining district. J. A. Jaeger, Prescott, Ch. Engr.

Washington—Oregon-Washington R.R. & Navigation Co. plans railway between Point Defiance Line and Olympia. Estimated cost, $500,000. J. R. Holman, Portland, Ore., Ch. Engr.

Washington—O. R. Vahl is interested in a railway from Chelan to Aurella Crown Mine near Stehekin.

California—Oakland, Antioch & Eastern Ry. plans to extend line to Martinez. H. A. Mitchell, San Francisco, Sec. and Gen. Mgr.

California—Right-of-way being secured by Hermosa Beach Chamber of Commerce for railway to connect with Pacific Electric Ry. at Belvidere.

California—McCloud Lumber Co. will extend its logging road six miles to a point near Pummoce Mountain, Bartle.

California—Mammoth Copper Co. considering plans for a two-mile electric line.

California—Mineral Products Co. will construct railway from Patterson to Red Mountain through Del Puerto Canyon to Magnesite and Manganese Mines.

LIGHT, HEAT AND POWER

Bar Harbor, Maine—Town has decided to establish municipal electric-light plant.

✚**North Gorham, Maine**—Cumberland County Power & Light Co., Portland, awarded contract for 300-ft. dam across the Presumpscot River at North Gorham to H. P. CUMMING CONSTRUCTION CO., Ware, Mass. Noted Aug. 12.

✚**Bridgeport, Conn.**—Bridgeport Projectile Co. awarded contract for one-story, brick and steel boiler house on Connecticut Ave. to SAMUEL AUSTIN & SONS CO. Cost, about $20,000.

★**Buffalo, N. Y.**—(Official)—Bids will be received until 2:30 p.m., Sept. 24, by E. S. Elwood, Secy., State Hospital, Conn., Capitol, Albany, for additional boiler and heating work at Buffalo State Hospital.

★**New York, N. Y.**—(Official)—Bids will be received until 11 a.m., Sept. 28, by Board of Water Supply, Municipal Bldg., for electrical operating equipment for gang-driven valves and sluice gates at Ashokan, Kensico, Hill View and Silver Lake reservoirs. Charles Strauss is Pres., Bd .of Water Supply.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by the Department of Public Charities, Municipal Bldg., until 10:30 a.m., Sept. 22, for steam heating system at Greenpoint Hospital.

Niagara Falls, N. Y.—Niagara Falls Power Co. is preparing plans for three additional units to its power plant. Estimated cost, $1,000,000.

Rochester, N. Y.—Taylor Instrument Co. will build 58x70-ft. boiler house at 95 Ames St. Estimated cost, $10,000. A. S. Crocker, Arch.

Bloomfield, N. J.—International Arms & Fuse Co. has plans for a power plant in connection with its new factory on Grove St.

Winchester, Va.—Reported that a municipal electric-light plant is under consideration. Dr. Hunter H. McQuire is Chn. of Light Com.

Columbus, Ga.—City considering municipal electric-light plant. W. C. Campbell is City Engr.

✚**Cincinnati, Ohio**—Building Commission of new courthouse awarded contract for mechanical equipment, including complete power plant and other electrical equipment, to STANDARD ENGINEERING CO., at $203,855. S. Franklin Gardner, Engr.-in-Charge.

✚**Shelby, Ohio**—Contract for a municipal electric-light and heating plant awarded to JOSEPH L. SKELDON, Toledo.

Mt. Pleasant, Mich.—City Council considering the purchase of plant and equipment of the Consolidated Light & Power Co.

Ashland, Wis.—Plans being prepared by Henry Wildhagen, Arch., for new electric-light plant for Ashland Light, Power & St. Ry. Co. Estimated cost, $75,000.

Davenport, Iowa—City Council granted permission to People's Lighting Co. to lay pipe for entire new steam heating system in the business section.

Jolley, Iowa—Council contemplates a municipal electric-light plant.

Maquoketa, Iowa—Citizens will vote Sept. 28 on franchise for the newly organized Consumers' Electric Co. L. B. Carson is interested.

Redwood Falls, Minn.—Wherland Electric Co. contemplates enlargement of its plant. R. F. Wherland, Secy. and Mgr.

Slayton, Minn.—Slayton Power Co. will enlarge its plant. Equipment will include 100-hp. engine, either oil, steam or gas-producing, generator and switchboard, and six miles of transmission line. F. H. Eddy is Mgr.

Marion, Kan.—Plans completed for a municipal power house to replace one recently destroyed by fire. Estimated cost, $5,000.

Milan, Kan.—City Council has engaged Nathan L. Jones, Smith Bldg., Wellington, to prepare plans for contemplated municipal electric-light plant.

Laurel, Neb.—Citizens voted to issue $12,000 bonds for a municipal electric-light plant.

Mason City, Neb.—Bids will be received until Sept. 17 by John T. Wood, Village Clk., for a brick power station, 25-hp. oil engine, 15-kw., 125- to 250-volt direct-current generator, switchboard and storage battery.

Towner, S. D.—C. S. Rygh, Alexandria, Minn., has asked a 20-year franchise for an electric-light plant, city to have the privilege of purchasing plant at the end of that period.

Leola, S. D.—Town contemplates an electric-lighting system.

Alexander, N. D.—Citizens contemplate an electric-light system.

Flaxton, N. D.—Franchise granted to Harley E. Potter, Bowbells, N. D., for electric-light plant.

Douglas, Wyo.—Franchise granted to H. G. Hess for gas plant. Plans being prepared. Estimated cost, $50,000.

✚Canyon, Tex.—Contract for heating and plumbing equipment in West Texas Normal School awarded to DONNELLY & WHITE, at $63,318.

✚Denton, Tex.—Contract for power plant for North Texas Normal School awarded to J. A. JOHNSON at $12,700; contract for heating and plumbing awarded to KENNISON BROS., at $14,327.

Spire, Okla.—Bonds for $10,000 sold for a gas plant and laying mains.

Pocatello, Idaho—North American Power & Light Co. purchased plant of Pocatello Gas Co. and will expend about $100,000 to enlarge and improve it. William A. Baehr, Gen. Mgr.

Albion, Utah—Citizens voted $8,000 bonds for light and power plant.

Calexico, Calif.—Plans being prepared by Holton Power Co. for new substation to replace present one. W. F. Holt, Redlands, Pres.

✚Hull, Que.—City Council awarded contract for hydro-electric plant to CANADIAN GENERAL ELECTRIC CO., 23 Sparks St., Ottawa, Ont., at $38,840.

Beeton, Ont.—Town Council contemplates purchase of new boilers and power house equipment. Joseph Wright, Clk.

Brigden, Ont.—C. C. Watson, Brigden, preparing plans for improving electric-light plant including new engine, dynamo and other equipment. Estimated cost, $10,000.

Chatham, Ont.—Reported that J. G. Jackson, Mgr. of Chatham Hydro-Electric System, has recommended purchase of electrically-operated equipment for water pumping station.

Granton, Ont.—Town Council plans a new hydro-electric system. Cost, about $5,000. W. D. Stanley, Clk.

St. Thomas, Ont.—Hydro-Electric Commission will build new power house and transmission station on Gas St.

BRIDGES

✚Berlin Mills, N. H.—City awarded contracts for reinforced-concrete bridge to H. P. CUMMINGS CONSTRUCTION CO., Ware, Mass., for masonry, and to BOSTON BRIDGE WORKS, 47 Winter St., Boston, Mass., for steelwork. Cost, $25,000.

Holyoke, Mass.—Reported that city will build new bridge over tracks of Boston & Maine R.R. at foot of Dwight St. T. J. McCarthy, City Engr.

✚Salem, Mass.—City Council awarded contracts for abutments and piers of a bridge across the South River to GEORGE T. RENDLE, Boston, at $28,404.

★✚Bridgeport, Conn.—Bids for the concrete girder bridge with double-leaf bascule span at Stratford Ave. received Sept. 5 as follows: Toole & Sunderlin, Bridgeport, $468,570; Empire Construction Co., New York, N. Y., $469,198; H. P. Converse Co., Boston, $471,483. Bids for bascules only were: Toole & Sunderlin, $91,753; Strebel Steel Construction Co., $95,800; Empire Construction Co., $109,265. Noted July 22 and Aug. 19.

✚Hartford, Conn.—(Official)—Board of Contract and Supply awarded contract for three-span, reinforced-concrete bridge over Park River at Capitol Ave. to W. T. RYAN CONSTRUCTION CO., 129 Barker St., Hartford, at $39,420. Noted Aug. 26.

Hartford, Conn.—Bids will be received until 11 a.m., Sept. 21, by Board of Contract and Supply for reinforced-concrete bridge at Montowese St. R. N. Clark, City Engr.

Buffalo, N. Y.—Common Council opened bids Sept. 3 for rebuilding Chicago St. Viaduct as follows, (a) complete in six months, (b) complete in nine months: Lackawanna Bridge Co., Buffalo, (a) $211,000, (b) $209,500; Lupfer & Remick, Buffalo, (a) $198,500, (b) $197,500; American Bridge Co., Buffalo, (a) $204,500, (b) $202,900; Strobel Steel Construction Co., Chicago, Ill., (a) $184,700, (b) $183,000. Noted June 24.

Montgomery, N. Y.—Town taxpayers defeated an appropriation of $4000 for a bridge across Tin Brook in Town of Walden.

New Brunswick, N. J.—(Official)—Bids will be received until 2 p.m., Sept. 20, by Edward Burt, County Collector, for $69,000 bridge bonds.

Curwensville, Penn.—Reported that Clearfield & Mahoning R.R. will build a bridge over Anderson Creek near Curwensville.

✚Doylestown, Penn.—Commissioners of Bucks County awarded contract for bridge over Trout Run and one over Fall Creek to S. J. CLARK, Morrisville.

Harrisburg, Penn.—(Official)—Citizens will vote at November election on $300,000 bonds for viaduct over tracks of Pennsylvania R.R. at Walnut St. Noted July 8.

✚Lebanon, Penn.—City Council awarded contract for three concrete bridges and one iron girder bridge to FRICK & SONS, Guilford St., Lebanon, at $5860. Noted Aug. 12.

Philadelphia, Penn. — State Water - Supply Commission granted permission to the city to build a bridge across Frankford Creek at Torresdale Ave. M. L. Cooke, Comr. of Pub. Wks.

✚Uniontown, Penn.—Commissioners of Fayette County awarded contracts for bridge work as follows: CONNELLSVILLE IRON WORKS, steel superstructures of bridge over Middle Run at Gates in German Township, and bridge over Dunlap's Creek at Merrittstown in Luzerne Township; LOUIS COSTA, Dickerson Run, substructure of Merrittstown Bridge, and bridge over Dickerson Run at Vanderbilt; J. M. RAMAGE, Uniontown, bridge at Gates. Noted Aug. 12.

Chester, Va.—Chester & City Point Electric Ry. [illegible] H. D. Eichelberger, Pres., contemplates a 185-ft. drawbrid[illegible] across the Appomattox River.

Beaufort, S. C.—(Official)—Bids will be received [illegible]ntil 10 a.m., Oct. 12, by W. H. Hull, Secy., County Bd. of C[illegible]rs., for repairs to two piers of Whale Branch Bridge, and [illegible]r new 120-span steel or concrete highway bridge between [illegible] Helena and Ladies Islands. Shand Engineering Co., Colum[illegible] S. C., Engr.-in-Charge.

Macon, Ga.—(Official)—Central of Georgia Ry. [illegible] build concrete subway to carry Pine St. under its tracks. [illegible]imated cost, $81,000. Noted Sept. 2.

✚Johnsonville, Tenn.—(A correction)—Nashville, Chattanooga & St. Louis Ry. awarded contract for the superstructure of a steel drawbridge over the Tennessee River to LOUISVILLE BRIDGE AND IRON CO., Louisville, Ky., and contract for erection of the bridge to GOULD CONTRACTING CO., Nashville. Noted Sept. 2.

Eaton, Ohio—Bids will be received until noon, Sept. 25, by G. W. Rehfuss, Audr., Preble County, for substructure and superstructure of bridge over Little Creek on the new Parrish and Eldorado Rd. near Mackey and Braggs, Jefferson Township.

New Lexington, Ohio—(Official)—Board of Commissioners, Perry County, to build bridge over South Fork of Jonathan Creek on New Lexington and Zanesville Inter-County Rd. at Stringtown in Harrison Township. Clyde M. Foraker, County Audr.

✚Portsmouth, Ohio—Commissioners of Scioto County awarded contract for floor and approaches of new Scioto County Bridge to COLEGROVE & WEST, at $16,410.

Indianapolis, Ind.—Council of Marion County will be asked, at its September meeting, to appropriate the sum of $100,000 for bridge over Fall Creek at Senate Ave.

Detroit, Mich.—Lowest bid received for the temporary Belle Isle Bridge was that of Bohland Structural Steel Co., Detroit, at $43,075. Noted Aug. 19.

✚Grand Rapids, Mich.—(Official)—Contract for bridge over tracks of Grand Trunk Ry. at College Ave., N. E., awarded to D. W. BOYES, Grand Rapids, at $12,908. Noted Sept. 9.

Benton, Ill.—Bids will be received until 1 p.m., Sept. 17, by State Highway Commissioner, Springfield, for four bridges in Franklin County, 30 to 75 ft. long. George F. Hampton, Benton, County Supt. of Highways.

✚Carlinsville, Ill.—(Official)—State Highway Commission, Springfield, awarded contract for the Sitton Bridge in County Line Township, Macoupin County, to ILLINOIS STEEL BRIDGE CO., Jacksonville, at $6430.

✚Chippewa Falls, Wis.—Contract for a double-arch reinforced-concrete bridge at East Spring St. awarded to THOMAS E. WOOLEY, LaCrosse, at $7,947.

Grand Rapids, Wis.—Bids will be received until 1:30 p.m., Sept. 18, by B. M. Vaughn for nine highway bridges in Wood County Drainage District, to be of concrete, reinforced concrete or steel. Estimated cost, $14,000.

✚Orange City, Iowa—(Official)—Supervisors of Sioux County awarded contract for bridge over Sioux River on the state line, two miles below Hudson, S. D., to DES MOINES BRIDGE AND CONSTRUCTION CO., Des Moines, at $7637. Noted Aug. 12.

✚Brainerd, Minn.—(Official)—Commissioners of Crow Wing County awarded contract for three bridges to MINNEAPOLIS BRIDGE CO., Minneapolis, at $4,459 for all three. Noted Sept. 2.

Granada, Minn.—Bids will be received until 8 p.m., Sept. 25, by E. W. Lasby, Village Recdr., for bridge across Center Creek.

✚Auburn, Kan.—Commissioners of Shawnee County, Topeka, awarded contract for bridge over West Wakarusa Creek, one mile from Auburn, to TOPEKA BRIDGE AND IRON CO., Topeka, at $6000.

✚Ellinwood, Kan.—(Official)—Commissioners of Barton County awarded contract for 400-ft. reinforced-concrete bridge across Arkansas River to MISSOURI CONSTRUCTION & BALLAST CO., Eldon, Mo., at $20,642. Noted July 22 and Aug. 19.

Leavenworth, Kan.—Bids will be received until Sept. 28 by J. E. Voorhees, Clk. of Leavenworth County, for 26 bridges. Estimated cost, $30,000. M. Thomas, County Engr.

✚St. Paul, Neb.—Commissioners of Howard County awarded contract for high truss steel bridge across the Loup River to CENTRAL STATES BRIDGE CO., Indianapolis, Ind., at $27,936. Noted July 29 and Aug. 12.

Camden, Ark.—Commissioners of Ouachita County are receiving bids for repairs to Martin Bridge, over Ouachita River. E. B. McCall, County Judge.

Little Rock, Ark.—Reported that Commissioners of Pulaski County will soon ask bids for widening and strengthening the Main St. Bridge.

✚Canadian, Tex.—Commissioners Court of Hemphill County awarded contract for 2,550-ft. bridge across Canadian River to CANTON BRIDGE CO., Kansas City, Mo., at $66,170. Noted Aug. 12.

✚Sherman, Tex.—Contract for 100-ft. bridge over Post Oak Creek near Sherman awarded to WESTERN BRIDGE CO., Sherman.

✚Terell, Tex.—Road Commissioners awarded contract for bridges and culverts to W. W. FULLER at $26,814. Bartlett Ranney, San Antonio, is Engr.-in-Charge.

Enid, Okla.—Bids will be asked about Sept. 27 by County Commissioners for 15 small bridges. Estimated cost, $20,000. Benjamin Lewis is Engr. of Garfield County.

✚Okmulgee, Okla.—Commissioners of Okmulgee County awarded contract for six small bridges to MISSOURI VALLEY BRIDGE & IRON CO., Leavenworth, Kan., at $13,444.

†Silver City, N. M.—Commissioners of Grant County awarded contract for steel bridge across Gila River near Old Ft. West, to EL PASO BRIDGE & IRON CO., El Paso, Tex., at $15,747. Noted July 29.

Tucson, Ariz.—Plans being prepared for new concrete bridge across Santa Cruz River. Estimated cost, $50,000. J. M. Ruthrauff, City Engr. Noted Nov. 26 and Dec. 3, 1914.

Wallace, Idaho—Plans completed for rebuilding bridges in Shoshone County. Estimated cost, $24,000. E. M. Booth, Boise, State Highway Comr.

†Igo, Calif.—County Supervisors have awarded contract for reinforced-concrete bridge across Clear Creek to WILLIAM STEPHENS, Redding, at $6,166. Noted July 29.

†Kennett, Calif.—Supervisors of Shasta County awarded contract for steel bridge across Sacramento River at Kennett to PORTLAND BRIDGE CO., Portland, Ore., at $15,976. City will furnish steel costing $1,750. Noted Aug. 5 under Redding.

†Kingsburg, Calif.—Contract for bridge across Kings River at Kingsburg awarded to JOHNSON CO., Los Angeles, at $15,780. Noted Aug. 5 under Visalia, Calif.

†Kincardine, Ont.—Council of Kincardine Township awarded contract for two bridges to DAVID KEYES, Kincardine, at $7,650.

†Ottawa, Ont.—City Council awarded contract for substructure of Pretoria Ave. Bridge to RODERICK BREWDER, 317 Lyon St., Ottawa. Estimated cost of bridge, $31,000.

WATER SUPPLY—IRRIGATION

Kennebunk, Maine—Filters will be installed by York County Water Co. in Kennebunk, Kennebunkport and Wells. George M. West, Mgr.

†South Braintree, Mass.—Contract awarded to HAMILTON FLOOD, Wollaston, for extensions to water system. Noted Aug. 12.

†Windsor, Conn.—Contracts awarded to TIPPETT & WOOD, Phillipsburg, N. Y., at $12,170, for steel stand pipe, to A. LAMBO, Waterbury, at $40,112, for water mains and to F. H. HAYES MACHINERY CO., Boston, Mass., at $5,401, for pump. Noted Sept. 2.

Albion N. Y.—Plans prepared for new water supply at Eagle Harbor. J. F. Witmer, Buffalo, Consult. Engr.

★Jamestown, N. Y.—(Official)—Bids will be received until noon, Sept. 23, by Board of Water and Light Commissioners, for ten 11-in. driven wells, about 185 ft. deep, and for equipment.

†Manhasset, N. Y.—Contract awarded to W. G. FRITZ CO., Newark, N. J., at $24,422, by Carle Park Water Co. for water system.

New York, N. Y.—(Official)—Bids will be received by the Board of Water Supply, Municipal Bldg., until 11 a.m., Sept. 28, for electrical operating equipment for gang-driven valves and sluice gates at Ashokan, Kensico, Hill View and Silver Lake Reservoirs under Contract No. 11.

Oneida, N. Y.—Report of J. Wagner for soft water supply accepted by Water Commissioners. Estimated cost, $479,000.

†Rotterdam, N. Y.—Contract awarded to H. J. CORBIN, New York, at $24,690, for pumping station.

Westbury, N. Y.—W. E. Sexton, Mineola, prepared plans for water district in Carle Place. Russel Suther, Conservation Comn., is in favor.

Collingswood, N. J.—Borough Council contemplates water system.

Green Lane, Penn.—Surveys being made for rebuilding Klondike dam.

†Hatfield, Penn.—Contract awarded to PUGH & HUBBARD CO., Philadelphia, at $8,995 for water plant. Noted Aug. 12.

Philadelphia, Penn.—Bids will be received until Sept. 30 by Department of Public Works for turbo-centrifugal pumps at Shawmont Pumping Station and stokers' equipment at Queen Lane Pumping Station.

Reynoldsville, Penn.—Citizens voted $100,000 bonds for purchase or construction of water system. Noted Sept. 2.

★Tamaqua, Penn.—(Official)—Bids will be received until noon, Oct. 5, by John M. Harris, Comr. of Water-Wks., for reservoir in Owl Creek, Rahn Township. Noted Aug. 12.

†Youngsville, Penn.—Contract awarded to L. A. COATES & CO., Warren, at $22,000, for water-works.

Easton, Md.—Plans being prepared by Public Utilities Commission of Easton for improvements to pumping station. Estimated cost, $5,000.

Keyser, W. Va.—Citizens defeated bond issue of $35,000 for water system. Noted Aug. 5.

Wilson, N. C.—Bonds for $95,000 will be sold Sept. 20 for water mains. T. A. Hinnant, Clk. Bd. Town Comrs.

Coolidge, Ga.—(Official)—W. Hopson Goodloe, Engr., Macon, retained to prepare plans for water system and improvements to electric-light system.

†Macon, Ga.—Contract awarded to SCHOFIELD IRON WORKS, Macon, at $5,100, for 180,000-gal. stand pipe.

Mt. Dora, Fla.—City Council will be petitioned by F. L. Barrett, Houghton, Mich., for franchise for water system.

Kosciusko, Miss.—Bonds for water and light systems voted. M. L. Culley, Jackson, Engr. W. G. Campbell, Mayor.

Oakdale, La.—City contemplates water system. R. E. L. Ricketts, Secy. of Comm.

Benton, Tenn.—Citizens will vote Oct. 30 on $10,000 bonds for water system. E. T. Switzer, Pres.

†Maryville, Tenn.—Contract awarded to SOUTHERN CONSTRUCTION CO., Kansas City, Mo., at about $51,000, for water system.

Bellville, Ohio—(Official)—Bids will be received until Nov. 9 by the city for water system. Smith & Boulay Co., Toledo, Engr. G. Shaffer, Clk. Noted Aug. 26.

Brewster, Ohio—Bids will be readvertised for water system. Estimated cost, $21,000. Noted Sept. 2.

Cleveland, Ohio—Hydraulic Pressed Steel Co. will build pump house at 3020 East 61st St. Estimated cost, $5,000.

Farmersville, Ohio—(Official)—Bids will be received about Sept. 20 for water system. A. F. Gilbert, Clk. Noted Aug. 26.

†Miamisburg, Ohio—Contract awarded to W. C. KERCHNER CO., Dayton, at $9,626, by Bd. of Public Affairs for water mains in Sennett St. and West Side.

†Napoleon, Ohio—Contract awarded to G. W. DOERZBACH & CO., Sandusky, at about $35,000, for new filtration plant.

†Silverton, Ohio—Contract awarded to JOHN KOEHL, Reading, for 6-in. water main in Alta Ave. and other streets.

Weston, Ohio—Citizens will vote Nov. 2 on bonds for water system.

Wilberforce, Ohio—(Official)—Bids will be received until 10 a.m., Oct. 1, by Board of Trustees, for improvements to water system. Richards Engineering Co., Wilberforce, Engr. W. A. Galloway, Pres.

Cairo, Ill.—City contemplates purchasing plant of Cairo Water Co. Estimated cost, $342,000.

Sparta, Ill.—Contract awarded to CARSON-PAYSON CO., Danville, at $17,000, for pumping and filtration plants. Noted Aug. 19.

Marcus, Iowa—Citizens voted in favor of $25,000 bonds for completion of water system.

†Shenandoah, Iowa—Contract awarded to DES MOINES BRIDGE & IRON WORKS, Des Moines, at $12,300, for 400,000-gal. tank and tower.

Traer, Iowa—(Official)—Bids will be received until 8 p.m., Sept. 20, by T. F. Stoakes, Town Clk., for 200,000-gal. concrete storage reservoir and water mains. Charles P. Chase, Clinton, Engr. Noted Aug. 19.

Urbana, Iowa—(Official)—Bids will be received until 7 p.m., Sept. 20, by city for 60,000-gal. tank on 100-ft. steel tower and about 2,200 ft. of water mains, and pumping station. Ralph B. Slippy, Waterloo, Engr. J. Dean Burrell, Town Clk.

Carlton, Minn.—Plans prepared by Ferguson Engineering Co. for water system. Noted Sept. 9.

St. Cloud, Minn.—Plans have been prepared by C. H. West, City Engr., for extensions to water system.

Fromberg, Mont.—Bids will be received until Sept. 18 by C. J. Jones, Village Clk., for water system. B. C. Lillis, Billings, Engr. Estimated cost, $17,000. Noted July 29.

†Judith Gap, Mont.—Contract awarded to C. H. KELLEY, Judith Gap, at $13,855, for water and sewer systems.

Plattsburg, Mo.—Citizens voted $50,000 bonds for improvements to water system and for three sewage-disposal plants. E. B. Murray, 820 Walnut St., Kansas City, Engr. Noted Aug. 19.

Lancaster, Tex.—Election will be held Sept. 27 to vote on $15,000 bonds, for water and sewer systems. J. V. Griffin, Mayor.

Lufkin, Tex.—City contemplates $4,000 for improvements to water system. H. B. Satterfield, Secy.

Albion, Idaho—Bonds for water system will be sold Sept. 25. Thomas E. Harper, Village Clk.

Salt Lake City, Utah—Plans being prepared for dam in Parley's Cañon for water storage. Estimated cost, $100,000.

Aberdeen, Wash.—(Official)—City will build water system. P. F. Clark, City Clk. Noted Aug. 19.

†Harrington, Wash.—Contract awarded to SAWYER BROS., Spokane, at $10,000, for water and sewer systems.

Raymond, Wash.—Raymond Water Co. purchased by city. Plans being prepared for extensions. Estimated cost, $10,000.

Ridgefield, Wash.—(Official)—We have been advised that election will be held in fall for $10,000 bonds for water system. J. W. Blackburn, Town Clk. Noted Sept. 2.

La Grande, Ore.—Dam at intake of Beaver Creek will be built by day labor. L. F. Howland, City Engr. Estimated cost, $10,000.

†Arcadia, Calif.—(Official)—Contract awarded to R. F. WARE, 1001 Marsh Strong Bldg., Los Angeles, for backfilling 20 miles of water main trenches. Noted Aug. 26.

Oakdale, Calif.—Oakdale and South San Joaquin Irrigation Districts plan reservoir. Estimated cost, $1,250,000.

San Rafael, Calif.—Citizens of Marin County voted $3,000,000 bonds for purchasing water systems in southern part of county. Noted July 29.

Santa Monica, Calif.—City plans to purchase water companies at estimated cost of $712,000. Election will be held Dec. 7.

St. Hyacinthe, Que.—City will install two pumps, boilers, motors at water-works. H. E. Wardroper, Clk. Estimated cost, $75,000.

Chatham, Ont.—City will install two electrically driven centrifugal pumps of 2,000,000 and 3,000,000 gal. capacity at water-works. Estimated cost, $4,000.

Galt, Ont.—Citizens voted $40,000 bonds for water system.

Owen Sound, Ont.—Council contemplates spending $5,000 for high pressure water main from Eighth St. west to 14th St. Charles Gordon, Clk.

Stratford, Ont.—City Council has authorized steel standpipe and pumping plant. Estimated cost, $50,000. Noted June 17.

Prince George, B. C.—Citizens voted in favor of $80,000 bond issue for water system. Noted Sept. 9.

SEWERS

✚**Amherst, Mass.**—Contract awarded to JAMES L. BRINE, Boston, for south outlet of river sewer system; contract for pipe to R. D. WOOD & CO., Philadelphia.

East Gardner, Mass.—(Gardner post office)—All bids received Aug. 18 for sewer system for Gardner State Colony by State Board of Insanity, State House, Boston, have been rejected. Work will be done by superintendent. Noted Aug. 12.

Leominster, Mass.—Plans being prepared by John J. Van Valkenberg, Framingham, for sewage-disposal plant.

Southington, Conn.—Citizens voted $25,000 bonds for completing sewer system.

Brockport, N. Y.—(Official)—Bids will be received until 8 p.m., Sept. 17, by Board of Trustees for sewage-disposal works. Charles C. Hopkins, Cutler Bldg., Rochester, Engr. Estimated cost, $25,000. Noted Aug. 9 and Sept. 9.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received Sept. 8 for repairs to Foster Ave. sewer as follows: Pelgrine Construction Co., $2,052; D. J. Donlin, $3,150, and O'Conner Co., $3,700, and for sewer basin at E. 13th St. and Ave. P, Murphy Bros., 25th St. and Cropsey Ave. Brooklyn, 4%. Noted Sept. 2.

✚**New York, N. Y.**—(Borough of Brooklyn)—(Official)—Contracts awarded to FRANK MERRIDINO, 556 A 17th St., Brooklyn, for sewers in Glenmore and Railroad Ave., Pine and Hemlock St., William and Vienna Ave., and West St., and to MURPHY BROS., 25th St. and Cropsey Ave., Brooklyn, for sewers in New Jersey and Hegeman Ave. Noted Sept. 9.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by C. B. J. Snyder, Supt. School Bldgs, Park Ave. and 59th St., until 3 p.m., Sept. 20, for sewers and water mains at Manhattan Trade School for Girls, Lexington Ave. and East 22nd St.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received Sept. 9 for sewer in Ellwood as follows: Walton Contracting Co., 147 East 125th St., New York, $4,939; Di Minno & De Blasio, $4,997 and Briggs & McLaughlin, $4,984. Noted Sept. 2.

New York, N. Y.—(Borough of Richmond)—Bids were received Sept. 7 for sewage-disposal plant at Richmond County Jail: Joseph Johnsons Sons, 455 Broadway, West New Brighton, Borough of Richmond, $4,434; J. E. Donovan, $6,691; F. N. Lewis, $5,373. Noted Sept. 2.

Seaside Park, N. J.—Bids will be received until Sept. 24 by Borough Council for sewers and disposal plant. Remington & Vosburg, 501 Market St., Camden, Engr. Frank Brockway, Clk.

✚**South Orange, N. J.**—(Official)—Contract awarded to PASQUALE MAURIELLO, 122 Center St., Orange, at $11,000, for sanitary sewers in Milburn Ave. Noted Aug. 19.

✚**Philadelphia, Penn.**—Contracts awarded to FRANK MARKS CONSTRUCTION CO., at $65,000, for extension of Gunner's Run relief sewer in Indiana St. and to ROBERT HIGGINS, at $27,000, for sewer in Adams Ave.

✚**Philadelphia, Penn.**—Contract awarded to R. P. BENNIS CONSTRUCTION CO., Philadelphia, at $18,500, for sewer in Broad St. from 68th to 69th St.

Philadelphia, Penn.—Plans completed for improving sewage-disposal system for Oak Lane District. George N. Webster, Ch. Bureau of Surveys. Estimated cost, $91,500.

Rockville, Md.—Ezra B. Whitman, Fidelity Bldg., Baltimore, retained to prepare plans for sewer systems in Friendship Heights, Somerset, Drummond, Bethesda, Woodmont, Edgewood and Chevy Chase. Estimated cost, $83,000.

Richmond, Va.—Administrative Board contemplates expenditure of $47,000 for completing sewer system in Scott's Addition. Charles E. Bolling, City Engr.

Suffolk, Va.—Council contemplates issuing $70,000 bonds for sewer system, paving, school and fire department.

Keyser, W. Va.—Citizens defeated $35,000 bonds for sewer in New Creek. Noted Aug. 5.

✚**Asheville, N. C.**—Contract awarded to REED & WELLS for three lines of sewers.

✚**Winston-Salem, N. C.**—Contract awarded to L. B. BRECKENSTEIN, at $5,500 for sewers in West Salem sewer district. Noted Sept. 9.

Columbia, S. C.—Election will be held Oct. 5 to vote $300,000 bonds for sewers.

Greer, S. C.—Citizens voted $10,000 bonds for extending sewer system.

Athens, Ga.—City contemplates septic tank for sewer system. J. W. Barnett, City Engr.

Miami, Fla.—Bonds for $50,000 for sewers and streets sold. Noted Aug. 19.

✚**Hammond, La.**—(Official)—Contract awarded to J. R. SUTHERLIN & CO., Kansas City, Mo., at $40,000, for sewer system. Noted Sept. 2.

New Iberia, La.—Election will be held to vote $100,000 bonds for sewer system. Noted Aug. 26.

Lexington, Ky.—Election will be held in November to vote $350,000 bonds for sewer system. J. Ernest Cassidy, Mayor.

Akron, Ohio—(Official)—McAlonan Bros., Akron, low bidder at $4,110, for sewer work. J. A. Gehres, City Engr. Noted Aug. 19.

Cincinnati, Ohio—Bids will be received until noon, Sept. 24, by Philip Fosdick, Dir. of Pub. Ser., for sewer in Duck Creek, Intercepter No. 3.

✚**Cleveland, Ohio**—Contract awarded to BROOKSIDE CONSTRUCTION CO., at $17,529, for sewer in Bessemer Ave., S. E., and in East 65th St.; contract also to MANSON CO., at $67,282, for sewers.

✚**Cleveland, Ohio**—(Official)—Contract awarded to GREAT LAKES DREDGE & DOCK CO., Williamson Bldg., at $92,900, for concrete open channel outfall sewer about 3,600 ft. long. Noted Sept. 2.

Cuyahoga Falls, Ohio—Council will build sanitary sewers and laterals in Stow, Front and East Broad St.

Glendale, Ohio—(Official)—Bids will be received until noon, Sept. 27, by Ernst Von Bargen, City Pur. Agt., for sewage-disposal system for Boys' Opportunity Farm.

Lancaster, Ohio—Plans for sewers in Cherry St. and Bank Alley submitted to Council. Jacob Lutz, Chn. Sewer Com.

Sandusky, Ohio—E. Wagner, City Engr., recommends building intercepting sewer No. 2 Estimated cost, $98,000.

Springfield, Ohio—Press reports state bids will be received about Sept. 25 for storm sewer in Lowry Ave. Estimated cost, $6,500. Noted Sept. 9.

Toledo, Ohio—Bids will be received until noon, Sept. 24, by Charles J. Zanenbacher, Audr., Bd. of Lucas County Comrs., for local sanitary sewer No. 12 in Sub-district No. 1.

✚**Toledo, Ohio**—Contract awarded to CLEVELAND CONTRACTING CO., at $4,578, for five sewers and to GESSNER & COTHRED, at $5,210, for one sewer. Noted July 29.

Peru, Ind.—Plans prepared for Tippecanoe St. sewer.

Ann Arbor, Mich.—(Official)—Bids will be received until Sept. 22 by Board of Public Works for 17,500 ft. of 8- to 12-in. and 2,500 ft. of 15- to 36-in. sewers and 1,300 ft. of concrete culvert. Manley Osgood, City Engr.

New Baltimore, Mich.—Citizens contemplate sanitary and storm water sewer systems. C. F. Meeks, Health Officer.

Alton, Ill.—City plans East Side trunk sewer.

✚**Christopher, Ill.**—Contract awarded to C. M. HANES, Jerseyville, at about $50,000, for sewer system.

Ashland, Wis.—Bids being received by Board of Public Works for 4,200 ft. 8-in. vitrified pipe sewer.

✚**Racine, Wis.**—Contract awarded to E. R. HARDING & CO., for sewers in various streets. Noted Aug. 19.

Ames, Iowa—Bids will be received until 7 p.m., Sept. 20, by A. B. Maxwell, City Clk., for 20,000 ft. of storm sewers in various streets, and for purchase of 11,000 ft. of vitrified clay sewer pipe. Noted Aug. 12.

✚**Decorah, Iowa**—Contract awarded to MOORE-SIEG CONSTRUCTION CO., Waterloo, at $101,789, for sewer system and sewage-disposal plant. F. M. Hughes, City Clk.

Lyle, Minn.—Bids will be received until Sept. 27 by Village Council for 12,246 ft. of 8- to 15-in. sewers. G. A. Martin, Village Recdr.

✚**Chanute, Kan.**—Contract awarded to SOUTHERN CONSTRUCTION CO., Wichita, at $23,917, for sewage-disposal plant. Noted Aug. 12 and Sept. 2.

✚**Hutchinson, Kan.**—Contract awarded to EVERETT & BURKE, at $4,668, for two miles sewers. Noted July 29.

✚**Independence, Kan.**—Contract for sewer system awarded to GREEN & CULLEN, Independence, at $6,637. George E. Weaver, City Engr.

✚**Crofton, Neb.**—Contract awarded to SCHREIBER & PETERSON, Bee Bldg., Omaha, at $6,553 for sewer system and disposal plant. Noted Aug. 19.

✚**Norfolk, Neb.**—Contract awarded to NORFOLK BRIDGE AND CONSTRUCTION CO., Norfolk, at $15,000, for storm sewers.

Minot, N. D.—Plans prepared for storm sewers in various streets. Estimated cost, $13,708.

✚**Judith Gap, Mont.**—See item under "Water Supply-Irrigation."

Austin, Tex.—Citizens contemplate issuing $50,000 bonds for sewers.

Beaumont, Tex.—Citizens voted $40,000 bonds for sewers.

Lancaster, Tex.—Election will be held Sept. 27 to vote $15,000 bonds for extending sewer and water systems. J. V. Griffin, Mayor.

Weleetak, Okla.—Citizens voted $37,000 bonds for sanitary sewer system.

Seattle, Wash.—Bids will soon be received for sewers in North and West 48th St. Estimated cost, $10,435. Noted Sept. 19.

Seattle, Wash.—Council contemplates sewers in Block 69, Mt. Baker Park. A. H. Dimock, City Engr.

Marysville, Calif.—Bonds for $18,000 voted for sanitary improvements in Ellis Lake district.

✚**San Francisco, Calif.**—Contract awarded to F. OLANDI, at $29,554, by Board of Public Works for sewer in Islais Creek.

Montreal, Que.—City Council contemplates appropriating $10,000 for preparation of plans for trunk sewer. Estimated cost, $1,500,000.

Berlin, Ont.—Plans being prepared by Herbert Johnston, Berlin, for sewer extensions. Estimated cost, $75,000.

Preston, Ont.—Plans being prepared for sanitary sewer in King St. H. G. Edgar, Clk.

GARBAGE

Greystone Park, N. J.—Bids will be received until Sept. 22 by O. M. Bowen, Warden, New Jersey State Hospital, for incinerator.

Morris Plains, N. J.—Bids will be received until 11 a.m., Sept. 22, by Board of Managers of New Jersey State Hospital for incinerator.

Americus, Ga.—City contemplates building incinerator.

✚**Rock Island, Ill.**—It is reported contract awarded to SPARKS CREMATORY CONSTRUCTION CO., Memphis, Tenn., at $12,200 for incinerator. Noted Aug. 26.

Marble Falls, Tex.—City will build incinerator.

STREETS AND ROADS

Augusta, Maine—James McGregor, Rumford, at $11,883, submitted lowest bid for 2.1 miles of state highway in Poland.

Boston, Mass.—Bids will be received until Sept. 21 by State Highway Commission, 15 Ashburton Pl., for 12,400 lin.ft. of road in Granby and South Hadley. Arthur W. Dean, Ch. Engr.

Boston, Mass.—Bids will be received until noon, Sept. 24, by Park Board for grading, walks, etc., in Renah Park, Dorchester.

Boston, Mass.—Bids will be received until noon, Sept. 20, by Edward F. Murphy, Comr. of Pub. Wks., for artificial stone sidewalks on Cushing Ave., Jerome St. and Windermere Rd., Dorchester.

Boston, Mass.—Bids will be received until Sept. 16 by Board of Public Works for paving Montebello Rd., West Roxbury.

✚Boston, Mass.—State Highway Commission awarded contract for highway in Ware and Palmer Townships to PERINI CONSTRUCTION CO., Ashland, at $11,772. Noted Aug. 26.

Hartford, Conn.—Bids will be received until 2 p.m., Sept. 22, by State Highway Commission for the following state road improvements: Colebrook Township, 7,600 lin.ft.; Orange Township, 13,805 lin.ft.; Stamford Township, 30,080 lin.ft.; North Haven Township and City of New Haven, 10,418 lin.ft.; Newington Township, 5,400 lin.ft.; Brookfield Township, 16,850 lin.ft.; Litchfield Township, two sections macadam on Torrington Rd. Charles J. Bennett, State Highway Comr.

Dobbs Ferry, N. Y.—Town voted $150,000 bonds for paving with brick Albany Post Rd. through town.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids were received Aug. 24 by Calvin D. Van Name, Borough Pres., for sidewalks as follows: Joseph Johnson Sons, $24,183; C. Vanderbilt, $21,986; J. E. Donovan, $21,779. Noted Aug. 19.

✚Potsdam, N. Y.—Contract for paving Depot St. awarded to ARTHUR McCONVILLE, Ogdensburg, at $6,000.

✚Utica, N. Y.—Contract for concrete pavement in Kenyon Court awarded ROBERTS & CO., Utica.

Yonkers, N. Y.—(A correction)—We have been advised that it was O'Rourke Contracting Co., Inc., 12-14 North Broadway, Yonkers, instead of O'Rourke Construction Co., which was awarded contract for paving Park Ave. Noted Sept. 9.

✚East Orange, N. J.—Board of Chosen Freeholders of Essex County awarded contract for resurfacing Central Ave. with bitulithic to NORTHERN CONSTRUCTION CO. at $56,975. Noted Aug. 26.

Montvale, N. J.—Bids will be received by J. Ernest Thier, Mayor, until Sept. 17 at School No. 2 for improving Magnolia and Grand Ave.

✚Newark, N. J.—JOHN DORER, Irvington, at $6225, awarded contract for rebuilding Main St. from Millburn line to Morris Ave.

✚Nutley, N. J.—Board of Chosen Freeholders of Essex County awarded contract for bitulithic paving on Washington Ave. to STANDARD BITULITHIC CO., Newark, at $76,489. Noted Aug. 26.

Ardmore, Penn.—Commissioners of Lower Merion Township appropriated $50,000 for road construction and repairs in that township.

✚Fayette City, Penn.—Borough Council awarded contract for 2600 ft. brick paving on Connellsville Ave. to CROSSAN CONSTRUCTION CO., Brownsville, at $9516.

✚Pittsburgh, Penn.—(Official)—Controller of Allegheny County awarded contracts for road improvement as follows: J. W. BUTLER, Elizabeth, Lincoln Way Extension, Elkhorn and Monongahela City Rd.; JOHN F. HOWLEY & CO., Pittsburgh, Round Hill Rd.; RIDGE BROS. CO., Pittsburgh, Scotia Hollow Rd. Noted Sept. 2.

✚Saxonburg, Penn.—(Official)—Contract for improving Main St. awarded to HARRY HALL & CO., Homestead, Penn., at $12,765. Noted Sept. 2.

Baltimore, Md.—Commissioners for Opening Streets submitted plans to Board of Estimate for establishment of Ellicott Driveway. Estimated cost, $69,100.

Baltimore, Md.—Commissioners plan to widen St. Paul St. from Courthouse to Hamilton St.

Portsmouth, Va.—F. H. Murray, Engr., State Highway Comn., Richmond, submitted cost of improving four toll roads with concrete and gravel at $134,600; macadam, gravel and sand clay, $198,600.

✚Vinton, Va.—Contract for 2,500 lin.ft. cement sidewalk awarded to TINSLEY CONSTRUCTION CO., Roanoke.

Janelew, W. Va.—Citizens voted to issue $15,000 bonds for improving streets and roads. Noted Aug. 19.

Parkersburg, W. Va.—City sold $200,000 bonds for street improvements.

Pineville, W. Va.—Citizens voted to issue $550,000 bonds for constructing roads in Wyoming County.

✚Asheville, N. C.—Contract for 9000-ft. sidewalk on Maywood and Beverly St. awarded to REED & WELLS.

Newbern, N. C.—Craven County voted to issue $100,000 bonds for roads. Noted Aug. 19.

✚Winston-Salem, N. C.—Contract for grading street in Buena Vista County awarded to SHORE TRANSFER CO., Winston-Salem.

Miami, Fla.—County will vote on issuing $275,000 bonds for county's portion of Tamiami Trail.

St. Petersburg, Fla.—Citizens voted to issue $715,000 bonds for highways.

✚Grove Hill, Ala—Contract for two roads in Clarke County awarded to CENTRAL ALABAMA CONSTRUCTION CO., at $15,579. Noted Aug. 19.

Scottsboro, Ala.—Bids will be received until Sept. 25 by the Commissioners of Jackson County for grading part of Woodville and Limrock Rd. Estimated cost, $11,158.

Jennings, La.—Jefferson Davis Parish, Ward No. 2, will vote Oct. 19 to issue $125,000 bonds for roads.

Natchitoches, La.—Ward Nine, Road District No. 13 voted to raise $50,000 for gravel road through the ward.

Pinquemine, La.—Iberville Parish Police Jury will issue $16,000 bonds for roads.

Decatur, Tenn.—Meigs County Commissioners will issue $100,000 bonds for road from Decatur to adjoining counties.

✚Greeneville, Tenn.—Contract for asphaltic concrete paving awarded to SOUTHERN ASPHALT & CONSTRUCTION CO., Birmingham, Ala., at $60,000.

Memphis, Tenn.—Bids were received for improving South Main St. between Linden and Calhoun Ave., as follows: Koehler Bros.-Fowler Construction Co., $22,204; E. J. Wetterstrom, $22,563; M. E. Larkin, $22,748. Noted Aug. 1.

Rogersville, Tenn.—(Official)—All bids rejected for sale of $250,000 bonds. New bids will be received Oct. 2. Noted Sept. 2.

Albany, Ky.—Citizens will issue $50,000 bonds for roads in Clinton County.

Bardwell, Ky.—Contract will soon be awarded by Commissioners of Carlisle County for six miles of proposed Bardwell-Mayfield Rd. E. C. Walker, Jr., Clinton, Engr.

✚Glasgow, Ky.—Contract for four-mile rock road in Barren County awarded to J. H. NEWMAN, Tompkinsville, and C. S. DAVIS, Nashville, Tenn., at $13,386.

Hindman, Ky.—City will vote on issuing $30,000 bonds for macadam streets.

Hyden, Ky.—Citizens will vote Oct. 23 on issuing $75,000 bonds for a road from Hyden to Hazard.

Somerset, Ky.—Citizens of Pulaski County will vote to issue $200,000 bonds for roads.

✚Akron, Ohio—Contract for paving highways in Norton Township awarded to McALONAN BROS., at $30,000.

Bexley, Ohio—Bids will be received until noon, Sept. 27, by Chester A. Miller, Clk., for paving Ridge Ave. Jennings, Lawrence & Lindsay, 509 Hartman Bldg., Columbus, Engr.

Cadiz, Ohio—City Council awarded contract for paving several streets with brick to COSS & MEYER, Wheeling, W. Va., at $14,877.

✚Columbus, Ohio—Service Director awarded contracts for street improvements as follows: MONARCH CONSTRUCTION CO., Como Ave., brick, $15,959; ANDREWS ASPHALT PAVING CO., asphalt, Reynolds Ave., $6757; New York Ave., $9460; Sheldon Ave., $13,365; A. W. BURNS & CO., brick, Perry St., $5573; Kent St., $8590; Wall St., $10,423; Blenkner St., $4163; GEORGE GEIGELE & SON, brick, alley north of Tiffin St., $1450; Avon Court, $2248; CLEVELAND TRINIDAD PAVING CO., asphalt, Main St., $8114; A. G. PUGH, asphalt, Forrest St., $44,547.

Dayton, Ohio—Bonds for $70,000 will be sold Sept. 21 for improving Eaton and Old Troy Pikes.

✚Eaton, Ohio—Contract for tarvia pavement on West Main St. awarded to H. W. CURRY & CO., Eaton, at $6200.

Findlay, Ohio—Bids will be received by J. C. Copeland, County Clk., until noon, Oct. 2, for repair of county road.

✚Girard, Ohio—Contract for paving East Main St. awarded to TURNER & OLSEN CO., Youngstown, at $12,500.

Ironton, Ohio—(Official)—City will sell $14,000 bonds Oct. 7 for improving streets in District No. 11.

Lisbon, Ohio—Columbiana County sold $194,999 bonds for road improvements.

✚Newark, Ohio—(Official)—Contract for paving Section 2 and 3 of Granville and Croton Pike awarded SCHILLING CONSTRUCTION CO., Youngstown, Ohio, at $9142.

✚Salem, Ohio—(Official)—Contract for paving on Goshen Ave. and 10th St. awarded to J. D. PAXSON, Salem. Noted Aug. 26.

Steubenville, Ohio—Bids will be received until 1 p.m., Sept. 18, by Trustees of Island Creek Township, for grading road at Laurel Hill, Jefferson County.

Toledo, Ohio—(Official)—Bids will be received by the Board of County Commissioners of Lucas County, Court House, until 10 a.m., Sept. 17, for Stone Road Improvement No. 72.

Toledo, Ohio—Bonds for $131,000 sold for street improvements.

✚Troy, Ohio—SWEENEY, ROBBINS & McDANIELS, at $7422, awarded contract for Shellsberger Rd. in Union Township.

✚Warren, Ohio—Board of Control awarded contract for paving Homewood Ave. to TURNER & OLSON; contract for Franklin St. awarded to JAMES McCRACKEN. Noted Sept. 2.

✚Washington C. H., Ohio—Contract for brick pavement on Leesburg Ave. awarded G. H. HECNER & SONS Celina.

✚Xenia, Ohio—(Official)—Contract for paving portion of Third St. awarded to ANDREWS ASHPHALT PAVING CO., Middletown. Noted Aug. 19.

Youngstown, Ohio—(Official)—Bids will be received until 2 p.m., Sept. 27, by D. J. Jones, City Audr., for city paving bonds.

✚Angola, Ind.—Contract for roads in Steuben County awarded to W. S. GORDON & SON, Liberty Center, Bluffton, at $39,152.

Brazil, Ind.—(Official)—Bids will be received until 10:30 a.m., Oct. 5, by William O. Graeser, Audr., Clay County, for gravel road between Jackson and Cass Townships.

Franklin, Ind.—Bids will be received until 2:30 p.m., Oct. 8, by the Commissioners of Johnson and Marion Counties for two county line roads.

Goshen, Ind.—(Official)—Bids will be received until 2 p.m., Oct. 4, by John W. Brown, Audr. of Elkhart County, for concrete road in Harrison Township.

Logansport, Ind.—Resolution passed by Board of Work for paving West Broadway, Wheatland Ave., Linden Ave. and Race St.

Michigan City, Ind.—(Official)—Bids will be received until 10 a.m., Sept. 27, by Board of Public Works for paving Charles St. Alex. Spychalski, City Clk.

Muncie, Ind.—(Official)—Bids will be received until 10 a.m., Oct. 6 ,by F. M. Williams, Audr., Delaware County, for gravel or macadamized road in Center and Liberty Townships.

✚Riverside, Ind.—Contract for Ashland Ave. curb and gutter awarded WILLIAM BIRCH & CO., Muncie.

✚Detroit, Mich.—Contract to pave Evaline Ave. and part of Jacob Ave. awarded R. D. BAKER CO., at $10,809 and $6861 respectively.

✚Eaton Rapids, Mich.—Contract for about 11 blocks of concrete-asphalt pavement awarded to GLOBE CONSTRUCTION CO., Kalamazoo, at $1.32 per sq.yd. Noted July 1.

Chicago, Ill.—International Paved Way Association organized at Chicago to promote an automobile highway from the Mexican to Canadian border. Estimated cost, $20,000,000.

✚Elgin, Ill.—Contract for curb and gutter in Ryerson Ave. and other streets awarded L. Z. BARCUS & CO., La Porte, at $8606. Noted Aug. 19.

✚Havana, Ill.—JANSEN & ZOELLER, Pekin, awarded contract for improvements in District C. Noted July 15.

✚Peoria, Ill.—Board of Local Improvements awarded contract for brick paving on Maryland St. to DOUGLAS A. MYERS at $5,985.

✚Peoria, Ill.—Contract for paving North Adam St. awarded to CANTERBURY BROS., Peoria, at $17,157.

★St. Charles, Ill.—(Official)—Bids will be received until 8:30 p.m., Sept. 20, by Board of Local Improvements for improving parts of East Main and West Main St. and other connecting streets. John W. Wilson, Engr.

Virginia, Ill.—Cass County plans to expend about $13,785 for highway improvements.

✚Boscobel, Wis.—(Official)—City awarded contract for improving various streets to EDWARD BARTLETT, Watertown, Wis., at $1.41 per sq.yd. Noted Aug. 26.

✚Aitkin, Minn.—Contract for state rural highway No. 10B awarded SMALL & OLSON, Aitkin, at $43,390.

✚St. Paul, Minn.—Contract for repaving University Ave. from Rice to Dale St. with creosoted block awarded to FIELDING & SHEPLEY, St. Paul, at $55,300.

Walker, Minn.—(Official)—Bids will be received by County Auditor until Sept. 25 for grading and graveling 30 miles of highway. Estimated cost, $80,000. George Ralph, St. Paul, Engr.

✚Great Bend, Kan.—(Official)—Contract for 20,671 sq.yd. paving awarded to WATTS & AMMERMAN, Salina, at $1.27 per sq.yd. for trinidad asphalt. Noted Aug. 26.

✚Junction City, Kan.—(Official)—County Commissioners awarded contract for one mile of concrete road to ZIEGLER BROS., Junction City, at $1.10 per sq.yd. Noted Sept. 2.

✚Olathe, Kan.—Contract for 3800 sq.yd. vertical fiber brick paving awarded to J. H. COSGROVE, Olathe, at $7,613.

Kearney, Neb.—(Official)—Citiens voted to issue $50,000 bonds for improving streets. Noted Sept. 2.

✚Bozeman, Mont.—Contract for paving in Districts 98 and 99 awarded to WARREN CONSTRUCTION CO., Portland, Ore., at $42,302.

Great Falls, Mont.—Resolution adopted by Council to create improvement district to improve North, Third, Fourth, Sixth, Seventh, Eighth and Ninth St. and Fifth Ave. Estimated cost between $38,470 and $63,435.

Harrisonville, Mo.—Dolan Township, Special Road District, Taft County, plans nine miles of rock road.

Kansas City, Mo.—Bids will be received by Park Commissioners until Sept. 28 for grading Meyer Blvd. and the Paseo.

Liberty, Mo.—Clay County Commissioners will be asked to vote on issuing $50,000 bonds for roads.

✚St. Louis, Mo.—Board of Public Service awarded contracts for street improvements as follows: G. A. HEMAN, Florissant Ave., asphalt, at $82,067; Marcus Ave., two sections, brick, $29,708 and $21,027; GRANITE BITUMINOUS PAVING CO., Ashland Ave., asphalt, $5,844; WEBB KUNZE CONSTRUCTION CO., Skinker Rd., wood block, $84,712; KYERMANN CONSTRUCTION CO., repaving on Market St., wood block, $17,225; PERKINSON CONSTRUCTION CO., Milburn Ave., brick, $7,651; RUECKING CONSTRUCTION CO., Charlton St., brick, $7,614; HANICK QUARRY AND CONSTRUCTION CO., Duncan Ave., brick, $13,480; Arlington Ave., brick, $15,494. Noted Aug. 19.

St. Louis, Mo.—(Official)—Bids will be received until noon, Oct. 5, by Board of Public Service for the following street improvements: Marcus Ave., estimated cost, $8500; Tower Grove Ave., cost $16,000; Spring Ave., cost, $15,000; Soulard St., cost, $25,000. E. R. Kinsey, Pres. Bd. Pub. Ser.

St. Louis, Mo.—Bids will be received until noon, Sept. 23, by Pitzman Co., Surv. and Engr., 615 Chestnut St., for approximately 600,000 cu.yd. grading and excavating for University Park Realty Co.

Austin, Tex.—Citizens contemplate issuing bonds for $425,000 for streets and bridges.

Clarksville, Tex.—City will sell $100,000 bonds Sept. 28 for roads and turnpikes in Road District No. 1.

Galveston, Tex.—County Commissioners plan to repair seawall boulevard. R. M. Sias, County Engr. and Supvr.

✚Lufkin, Tex.—Contract for three blocks of paving awarded to TEXAS BITULITHIC CO., Dallas, at $10,000.

Lufkin, Tex.—Agelina County will vote on issuing $200,000 bonds for roads.

Sulphur Springs, Tex.—City will issue $10,000 bonds for improving streets.

Woodville, Tex.—Citizens voted against issuing $100,000 bonds for roads in Tyler County, Road District No. 1. Noted Aug. 26.

Oklahoma, Okla.—County plans to expend $140,000 for improving roads.

Salt Lake City, Utah—County Commissioners plan concrete highway on State St. from southern limits of city to Murray city line.

✚Salt Lake City, Utah—(Official)—P. J. MORAN, Inc., Salt Lake City, awarded contract for paving various streets at $48,025. S. Q. Cannon, City Engr. Noted Aug. 19.

Wendover, Utah—(Official)—No bids were received for 25 miles of highway. E. R. Morgan, State Rd. Engr. Noted Aug. 19.

Anacortes, Wash.—Contract will soon be awarded for paving Commercial Ave. to county road.

✚Auburn, Wash.—(Official)—Contract for paving 1½ blocks awarded to WASHINGTON PAVING CO., Tacoma, at $24,979. Noted Aug. 26.

✚Bellingham, Wash.—Contract for pavement on Harris Ave. awarded to K. SAUSET, at $11,148.

✚Chehalis, Wash.—SPEAKER & McKEE, at $5,928, awarded contract for one mile of road on Jackson Prairie.

Hoquiam, Wash.—Resolution has been passed for improving Simpson Ave. Estimated cost, $47,672.

✚Olympia, Wash.—Bids opened Aug. 30 by State Highway Commission for highway from Nemah to Nasel River in Pacific County. Three lowest bids were: BURNETT CONSTRUCTION CO., 909 Second Ave., Seattle, $36,955 (awarded contract); Elliott Contracting Co., Portland, Ore., $39,305; L. H. Goerig, 1027 Bellevue Court, Seattle, $37,428.

✚Olympia, Wash.—(Official)—Bids opened Aug. 30 by State Highway Commission for road from Union Flat Creek south in Whitman County as follows: W. G. Mulligan & Co., 302 Eagle Bldg., Spokane, $7955; H. C. ROOT, South 525 Madison St., Spokane, $7784 (awarded contract); H. L. Wilson Co., Walla Walla, $8292; General Construction Co., Spokane, $9164. Noted Aug. 19.

Seattle, Wash.—A. H. Dimock, City Engr., submitted cost of paving 47th Ave., N. E., $27,893; First Ave., $20,539; grading Eloise Terrace, $10,870.

Seattle, Wash.—City Council authorized improvement of 51st Ave. and other streets. Estimated cost, $54,394.

Tacoma, Wash.—Surveys will soon be made for 10.6 miles of Mountain Rd. Estimated cost between $100,000 and $140,000.

✚Tacoma, Wash.—Commissioners of Pierce County awarded contract for paving 5.57 miles of Pacific Highway with bitulithic on concrete base to WASHINGTON PAVING CO., Tacoma, at $79,375. Noted Aug. 26.

Walla Walla, Wash.—Council passed resolution for paving South Second St. Estimated cost, $12,000.

✚Waterville, Wash.—Commissioners of Douglas County awarded contract for 2¾ miles of Permanent Highway No. 3 to BAILEY & O'CONNOR, Wenatchee, at $17,985.

✚Medford, Ore.—Contract for Pacific Highway from Tolo to Josephine County Line awarded to C. NATWICK, at $16,659.

Salem, Ore.—Bond issue for $10,000,000 for state roads has been proposed.

Dunsmuir, Calif.—City plans to lay 1¼ miles of concrete pavement. P. M. Lau is City Engr.

✚East San Diego, Calif.—Contract for improving Hugo Ave. awarded to OLAF NELSON, at $40,532.

✚Eureka, Calif.—Supervisors of Humboldt County awarded contract for Hoopa Valley Rd. to HARTNEY & McNAUGHTON, at $11,974.

Los Angeles, Calif.—Bond issue for $3,000,000 proposed for extension of county highway system.

✚Los Angeles, Calif.—D. D. CHAPMAN, 216 North Johnstone St., Los Angeles, at $11,472, awarded contract for improving roads in District No. 3. Noted July 22.

Marysville, Calif.—District No. 10 plans to gravel three miles of road. Estimated cost, $5,600.

Modesto, Calif.—Plans have been prepared by G. E. Freitas, City Engr., for street work estimated to cost $20,664.

Nevada City, Calif.—City Council is considering improving sidewalks of city.

✚Oakland, Calif.—(Official)—Board of Supervisors awarded contract for bitulithic paving on county roads in Murray Road District to CALIFORNIA BITULITHIC CO., care of Hutchinson Co., Oakland, at $14,235. Noted Sept. 2.

✚Redwood City, Calif.—Contract for road from Pescadero to Santa Cruz County Line awarded to LOU G. HARE, Salinas, at $29,000.

✚Riverside, Calif.—Contract for 8.67 miles of highway awarded to CONNER CONTRACTING CO., Los Angeles, at $28,910.

Sacramento, Calif.—(Official)—Bids were received Aug. 23 by the State Highway Commission for highway in Siskiyou County, Division 2, Route 3, Section A, as follows: P. J. Lechner, Alameda, $23,944; Moffett & Mead, San Francisco, $24,750; F. H. Green, Eureka, $22,600.

✚San Francisco, Calif.—Contract for paving boulevard between Lincoln and Presidio, including sidewalks and sewers awarded to CITY IMPROVEMENT CO., San Francisco, at $65,000.

✚San Francisco, Calif.—Board of Public Works awarded contract for paving part of Fulton St. to OWEN McHUGH, at $11,188.

✚San Francisco, Calif.—Board of Public Works awarded contract for grading on 37th Ave. to BLANCHARD-BROWN CO., at $5931.

San Mateo, Calif.—RANSOME-CRUMMEY CO., Oakland, at $70,850, awarded contract for pavement at upper end of San Mateo Park.

+San Mateo, Calif.—Contract for paving several streets awarded to FEDERAL CONSTRUCTION CO., San Francisco, at $77,800.

+Santa Ana, Calif.—Contract for 5½ miles of Santiago Blvd. awarded FRED HOFFMAN, at $19,498.

+Santa Ana, Calif.—MAX L. HUBERMAN, at $10,695, awarded contract for Yorba Linda Rd.

Santa Cruz, Calif.—Plans are being considered for paving King St., Ocean View, Branciforte and Soquel Ave. Estimated cost, $75,000. W. J. Thompson, City Engr.

+Santa Cruz, Calif.—Contract for paving Mission St. awarded to C. GREENFIELD, at $25,831.

Stockton, Calif.—City Council authorized paving North Center, Maple and Ash St. Estimated cost, $26,000. H. T. Compton, City Engr.

+Venice, Calif.—Contract for 29,000 ft. of asphalt concrete pavement awarded to BRAUN, BRYANT & AUSTIN, Santa Monica.

Yreka, Calif.—Board of Supervisors plans to grade and pave road to Ft. Jones and Scott Valley. Estimated cost, $60,000.

INDUSTRIAL WORKS

+Lubec, Maine—American Can Co., New York, N. Y., awarded contract for concrete addition to its plant at Lubec to CUMMING CONSTRUCTION CO., Boston, Mass. Cost, $100,000.

+Holyoke, Mass.—Bosch Magneto Co., Chicopee, awarded contract for a new plant at Holyoke to CASPER RANGER CO. Cost, about $100,000.

+Lowell, Mass.—Contract for 10-story, brick and reinforced-concrete 92x132-ft. storage warehouse for Appleton Co., Jackson and Revere St., awarded to NEW ENGLAND CONCRETE CONSTRUCTION CO., 201 Devonshire St., Boston. Cost, $125,000.

+South Boston, Mass.—M. F. Cahill Co. awarded contracts for four-story, 107x134-ft., brick and mill constructed factory to APTED & McDUFFEE, Malden, general contract, and TYSON, WEARE & CO., Old South Bldg., Boston, foundations. Cost, $75,000.

Springfield, Mass.—New England Westinghouse Co., Page Bldg., will build brick woodworking shop. Cost, $50,000.

+Pawtucket, R. I.—Phillips Insulated Wire Co. awarded contract for three-story brick and mill constructed 70x100-ft. wire mill to WILLMARTH & MacKILLOPP, INC., Pawtucket, at $25,000. Noted Aug. 19.

Bridgeport, Conn.—Loban Bros. plans a five-story, fireproof 103x108-ft. warehouse on Housatonic Ave.

+South Windham, Conn.—Smith & Winchester Co. awarded contract for two-story, 60x127-ft. foundry addition to H. WALES LINES CO., Meriden, at $20,000.

+Unionville, Conn.—J. Broadbent & Son, Inc., awarded contract for four-story brick and mill constructed factory to R. J. JONES, Hartford.

Buffalo, N. Y.—Curtis Aëroplane Co. will build the fourth addition this year to its factory at Churchill Ave. and New York Central R.R. Estimated cost, $50,000.

Buffalo, N. Y.—American Radiator Co. will build two one-story additions to its plant at 110 Ledger St. Cost, $55,000.

Buffalo, N. Y.—Lehigh Valley R.R. will build repair shops and yards at Tifft St., Hamburg Turnpike and City Ship Canal to cost about $250,000.

+Buffalo, N. Y.—William H. Walker Co. awarded contract for 11-story warehouse and distributing station at Franklin and Erie St. to TURNER CONSTRUCTION CO., Prudential Bldg., Buffalo.

+Jamestown, N. Y.—Struthers-Wells Co., Warren, Penn., awarded contract to McCLINTIC-MARSHALL CO., Pittsburgh, Penn., for one-story, 200x200-ft. concrete blacksmith shop in Jamestown. Cost, $50,000.

Rochester, N. Y.—Folding Barrel Co., 220 Broadway, New York, N. Y., will build a $12,000 factory in Rochester. F. J. Pomeroy, 23 Farraday St., is Factory Mgr.

+Tonawanda, N. Y.—The McKinnon Chain Co. awarded contract for one-story, 80x90-ft., brick and concrete addition to its plant to MORRIS & ALLEN, Builders Exchange, Buffalo, at $10,000.

+Harrison, N. J.—Hyatt Roller Bearing Co., Middlesex St., awarded contract for six-story, 90x110-ft. addition to its plant to AMERICAN CONCRETE STEEL CO., Newark. It will be of reinforced concrete, brick veneer.

Lambertsville, N. J.—Lambertsville Rubber Co. will soon award contracts for three-story, 60x110-ft. brick plant.

Allentown, Penn.—Allentown Ice & Cold Storage Co. has taken out permit for one-story brick addition. Cost, $28,000.

Ardmore, Penn.—Autocar Co. will build five-story, reinforced-concrete, 64x77-ft., factory addition. Stearns & Castor, Stephen Girard Bldg., Philadelphia, Arch.

Chester, Penn.—Keystone Casting Co. will build a fireproof brick addition. Cost, $30,000.

Harrisburg, Penn.—Kelker & Johnson, Union Trust Bldg., receiving bids for reinforced-concrete and brick, 74x11-ft., warehouse for Montgomery & Co.

+Philadelphia, Penn.—Contract awarded to FIDELITY CONSTRUCTION CO. for seven-story, reinforced-concrete, 62x100-ft., cold storage warehouse, and 28x55-ft. smokehouse for John J. Felin Co., 4142 Germantown Ave. Cost, $100,000 and $15,000 respectively. Noted Sept. 2.

+Philadelphia, Penn.—Bennett & Aspden Co., Leverington and Baker St., awarded contract for four-story factory at Pechin St. and Krams Ave. to WILLIAM STEEL SONS CO., 1600 Arch St., Philadelphia. Estimated cost, $100,000.

Pittsburgh, Penn.—Murdock Storage & Transfer Co. will build five-story storage and office building at Fifth Ave. and Craig St.

+Baltimore, Md.—Curtis Bay Distillery Co. has awarded contracts for its denatured alcohol distillery as follows: Fabrication and erection of steel, PORTHOFF CONSTRUCTION CO., Cincinnati, Ohio; concrete work, CURTISS WOODRUFF CO., Brooklyn, N. Y.; copper work and machinery, ANSONIA COPPER & IRON WORKS, Cincinnati; grading and well-digging, WILLIAM G. GISHEL CO., Curtis Bay.

+Baltimore, Md.—Poole Engineering Co. has awarded contract for its war munitions plant addition to COWEN BUILDING CO. It will be of brick and steel, 100x290 ft.

Baltimore, Md.—Kennedy Foundry Co., South Charles St., will build a three-story addition, covering 24,000 sq.ft., for a core and patternshop. Joseph P. Kennedy is Pres.

+Baltimore, Md.—Baltimore Dry Docks & Shipbuilding Co. awarded contract for one-story, 60x200-ft. shipbuilding plant to CHESAPEAKE IRON WORKS. It will be of steel, corrugated iron and reinforced concrete.

Parkersburg, W. Va.—Modern Flint Glass Co. will build glass plant to cost $50,000. James O. Gill, Philadelphia, Penn., is interested.

Charlotte, N. C.—Reported that the Ford Motor Co., Detroit, Mich., will build an assembling plant in Charlotte.

Akron, Ohio—Osborn Engineering Co., 740 Engineers' Bldg., Cleveland, receiving bids for a three-story factory on East Market St. extension, Akron, for Western Tire & Rubber Co. M. O'Neil, Pres. Noted Sept. 9.

+Cleveland, Ohio—(Official)—Contract for plant of the Kessler Mfg. Co. awarded to SAMUEL AUSTIN SON CO., Euclid Ave., Cleveland. Noted Aug. 26.

Evansville, Ind.—Evansville Packing Co. will build plant to cost $150,000.

Kokomo, Ind.—Haynes Motor Car Co. will build three reinforced-concrete additions to its plant. Cost, $250,000. Company has also purchased a brick factory building for a tool plant.

Chicago, Ill.—The Baltimore & Ohio Chicago Terminal R.R., Fifth Ave. and Harrison St., will build a two-story brick roundhouse and machine shops on West 14th St. Cost, $245,000. M. A. Long, Arch.

Chicago, Ill.—Armour & Co., Union Stockyards, will build a seven-story brick and concrete canning factory. Cost, $325,000. R. A. Clark, Arch.

+Chicago, Ill.—(Official)—Contract for a factory for Republic Box Co. awarded to JAMES SHEDDEN & CO., Chicago, at $31,500. Noted Aug. 19.

+Milwaukee, Wis.—John Wolleager Auto Co., 417 Wells St., awarded contract for two- and three-story, 62x90-ft. addition to its garage to A. MONSTED CO., Pabst Bldg., Milwaukee.

Milwaukee, Wis.—The Linde Air Products Co., New York, N. Y., contemplates an 80x100-ft. brick and concrete factory at 38th and National Ave.

Waterloo, Iowa—Plans are being prepared for four-story factory and distributing plant for Waterloo Overland Motor Co. Estimated cost, $40,000.

Lincoln, Neb.—Star Van & Storage Co. will build a 50x70-ft. fireproof addition to its warehouse at 818 Q St. Cost, $12,000.

Springfield, Mo.—Rhodes Produce Co. will build a store and warehouse on South Campbell St. Estimated cost, $20,000. C. L. Rhodes, Pres.

Golden, Colo.—Sanitary Brick Co. will build an addition to its plant. Estimated cost, $25,000. L. A. Copeland, Mgr.

Trinidad, Colo.—Swift & Co., Chicago, Ill., having plans prepared for cold-storage plant. Estimated cost, $30,000.

+Spanish Forks, Utah—The Utah-Idaho Sugar Co. awarded contract for a $500,000 sugar factory to E. H. DYER CONSTRUCTION CO., Salt Lake City.

Spokane, Wash.—Powell-Sanders Co. has plans for six-story, 100x110-ft. office building and warehouse. Cost, $50,000. John K. Dow, Arch.

Saskatoon, Sask.—Macdonald-Crawford, Ltd., will build four-story warehouse. Approximate cost, $50,000.

FEDERAL GOVERNMENT WORK

Wharf—Ft. Constitution, N. H.—Bids will be received until noon, Sept. 25, by A. G. Frick, Quartermaster, for addition to wharf.

+Breakwater—Buffalo, N. Y.—Contract awarded to COAST & LAKES CONTRACTING CO., New York, at $14,055, for riprap and repairing concrete superstructure on Buffalo breakwater. Noted Sept. 9.

+Dredging—Port Chester, N. Y.—Contract awarded to EASTERN DREDGING CO., at $7277, for dredging in Port Chester Harbor. Noted July 8.

+Building—Tompkinsville, N. Y.—Bids will be received until 2 p.m., Sept. 30, by Lighthouse Inspector, Tompkinsville, for building third story and permanent roof of reinforced concrete on carpenter shop at General Lighthouse, Tompkinsville.

Repairs Hospital—Pittsburgh, Penn.—Bids will be received until 3 p.m., Sept. 20, by U. S. Public Health Service, U. S. Marine Hospital, Pittsburgh, for repairs to U. S. marine hospital at 40th St. and Penn Ave., Pittsburgh.

+Steam Engine—Pittsburgh, Penn.—Contract awarded to NORDBERG MFG. CO., Milwaukee, Wis., at $4,500, for steam engine for experimental station, Bureau of Mines.

Heating and Ventilating—Washington, D. C.—Bids were received Sept. 7 by Commissioners of District of Columbia for heating and ventilating in Park View school as follows:

Riggs, Distler & Stringer, Baltimore, Md., $13,678; Standard Engineering Co., Washington, $14,650 and W. G. Cornell Co., Washington, $15,200.

✚Laboratory—Washington, D. C.—Contract for chemical laboratory at Bureau of Standards, Washington, awarded to WELLS BROS., New York, N. Y., at $188,556. Noted July 8.

Lumber—Washington, D. C.—Bids will be received until 2 p.m., Sept. 22, by Commissioners of District of Columbia, for 95,078 sq.ft. of Georgia pine bridge lumber.

Machine Tools—Washington, D. C.—Bids will be received until 10 a.m., Oct. 5, by Paymaster-General, U. S. N., Washington, for machine tools as follows: Schedule 8,780, 2 geared head lathes, 18-in.x8 ft., 1 geared head lathe, 16-in.x6-ft., 1 trimming press, for delivery at Washington Navy Yard; Schedule 8,781, 1 turn table lathe, 2½x26, for delivery at Boston Navy Yard; Schedule 8,782, 2 upright drills, 21-in., 2 double emery grinders, 12-in., 2 engine, screw-cutting lathes, 2 crank shapers, 16-in., for Boston and Philadelphia navy yards.

Plumbing—Washington, D. C.—Bids were received Sept. 7 by Commissioners of District of Columbia for plumbing for Park View School as follows: Isidor Freund, Washington, $5,770; Ribbs, Distler & Stringer, Baltimore, Md., $5,796 and F. C. Stelzer, Washington, $6,347.

★Dredging—Norfolk, Va.—Bids will be received until noon, Sept. 23, by U. S. Engineer, Custom House, Norfolk, for dredging and rock excavation in James River.

Post Office—Norton, Va.—Bids will be received until 3 p.m., Oct. 19, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for post office at Norton.

Post Office—Charlotte, N. C.—Bids were received Sept. 7 by Acting Supervising Architect, Washington, D. C., for post office as follows: (a) limestone, (b) sandstone, John G. Unkefer & Co., Minerva, Ohio, (a) $192,692; J. A. Jones, Charlotte, (b) $207,000 (low bidders). Noted July 29 and Aug. 5.

★Post Office—Wilkesboro, N. C.—Bids will be received until 3 p.m., Oct. 14, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for post office at Wilkesboro.

Officers' Quarters—Wilmington, N. C.—Bids will be received until 3 p.m., Oct. 7, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for medical officers' quarters at U. S. Marine Hospital, Wilmington.

✚Buildings—Port Royal, S. C.—Contract awarded to NEWPORT CONTRACTING & ENGINEERING CO., Newport News, Va., at $34,676, for buildings at Naval Station, Port Royal. Noted Aug. 5 and Sept. 2.

Repairing Wharf—Ft. De Soto, Fla.—Bids will be received until 10 a.m., Oct. 1, by Jacob Frank, Act. Quartermaster, Ft. Dade, for repairing wharf at Ft. De Soto.

Dredge—Jacksonville, Fla.—Bids will be received until noon, Nov. 8, at the U. S. Engineer Office, Jacksonville, for steel hull 3½ and 7 yard dipper dredge or for leasing, subject to purchase.

Cement, Sand and Gravel—New Orleans, La.—Bids will be received until 11 a.m., Sept. 22, at the U. S. Engineer Office, Custom House, New Orleans, for cement, sand and gravel at Southwest Pass, Mississippi River.

✚Timber—Detroit, Mich.—Contract awarded to DUNCAN LUMBER CO., Portland, Ore., at $6,051, for 236,000 ft. of fir timber. Noted June 24.

Post Office—Fulton, Mo.—Bids were received Sept. 7 for post office: (a) limestone and (b) sandstone, Balkan Construction Co., Chicago, Ill., (a) $46,337, (b) $46,703 (low bidder). Noted Aug. 5.

✚Buildings—Point Isabel, Tex.—(Isabel post office)—Contract awarded to JAMES McCOY, Brownsville, at $9,500 for operator's quarters at Naval Radio station. Noted Sept. 2.

✚Post Office—Blackwell, Okla.—Contract awarded to ALGERNON BLAIR, Montgomery, Ala., at $37,616, for post office at Blackwell. Noted Aug. 12 and 26.

★Cement—Portland, Ore.—Bids will be received until 11 a.m., Oct. 7, at the U. S. Engineer Office, Second District, Portland, for cement.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., Sept. 24, by Maj. F. C. Boggs, Gen. Pur. Agt., Washington, D. C., for miscellaneous pipe and manufactured metal supplies.

MISCELLANEOUS

Dredging—Boston, Mass.—Bids will be received until Sept. 22 by State Harbor and Land Commissioners, State House, for dredging of Lewis Bay. William F. Williams, Ch. Engr.

✚Shore Protection—Boston, Mass.—Contract awarded to COLEMAN BROS., Chelsea, at $19,854, for shore protection at Revere Beach. Noted Aug. 6 and Sept. 9.

✚Retaining Wall—Quincy, Mass.—Contract awarded to HOLBROOK CABOT & ROLLINS CO., 6 Beacon St., Boston, at about $100,000 for retaining wall for Fore River Shipbuilding Co. Noted Sept. 2.

✚Dike—Springfield, Mass.—Contract awarded to H. I. PEER, Springfield, for 3,200 ft. of dike.

Dredging—Waltham, Mass.—Bids will be received until noon, Sept. 21, by State of Massachusetts for dredging in Charles River from Elm St. to Bleachory dam. Metropolitan Park Commission, 14 Beacon St., Boston, Engr.

Barge Canal Work—Albany, N. Y.—Bids were received for improvement of Sawyer's Creek at North Tonawanda: H. S. Kerbaugh, Inc., Buffalo, $9,800; Eastover Construction Co., Inc., Utica, $10,200. H. V. Berry, Ft. Plain, at $12,685 was low bidder for timber for canals in Eastern division; William J. Dowdle, Oswego, at $15,400 low bidder for Middle division and G. Elias & Bro., Inc., Buffalo, at $21,699, for Western division.

Ballast—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received Sept. 10 for ballast for Rapid Transit Ry. (a) about 243,000 cu.yd. of trap rock or hard limestone: Upper Hudson Stone Co., $228,010, Haverstraw Crushed Stone Co., $250,240 and (b) about 325,500 cu.yd. 3-in. ballast, trap rock, hard limestone or field stone, Haverstraw Crushed Stone Co., $26,325; Upper Hudson Stone Co., $27,625. Noted Aug. 26.

Pier Shed—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by Commissioner of Docks, Pier A, Battery Pl., until noon, Sept. 21, for pier shed at West 23rd St., North River, under Contract No. 1471.

✚Duct Line—New York, N. Y.—(Official)—Contract awarded to E. C. MOORE, 154 Nassau St., at $34,006, for duct line for Queensboro Rapid Transit Ry. Noted Aug. 12.

Elimination of Grade Crossing—Sloan, N. Y.—Plans submitted to New York Public Service Commission, Albany, by Delaware, Lackawanna & Western R.R. for elimination of grade crossing at Sloan. Estimated cost, $329,471.

✚Sprinkler System—Hoboken, N. J.—Contract awarded to ROCKWOOD SPRINKLER CO., at $15,000, by Hoboken Land & Improvement Co. for sprinkler system in new building at 15th St.

Waterway—Trenton, N. J.—New Jersey State Commerce and Navigation Board will construct Barnegat Bay-Manasquan River Inland Waterway. About $23,000 is available to start work.

✚Tunnel—Bloomsburg, Penn.—Contract awarded to PORTLAND CONTRACTING CO., for tunnel 1,400 ft. long, by Lehigh Valley Coal Co.

★Superstructures—Philadelphia, Penn.—(Official)—Bids will be received until noon, Oct. 19, by A. M. Taylor, Dir., Pub. Ser., 754 Bourse Bldg., for steel superstructures for elevated railway.

✚Steamships—Newport News, Va.—Contracts awarded to NEWPORT NEWS SHIPBUILDING AND DRY DOCK CO., at $1,000,000 each for two steamships for Crowell & Thurlow Steamship Co., Boston, Mass.

✚Drainage—Goldsboro, N. C.—Contract awarded to A. V. WILLIS & SONS, Pittsfield, Ill., at $56,399, for dredging in canal for drainage.

Drainage—Dade City, Fla.—Plans being prepared by Hiram McElroy, Dade City, for drainage district.

Harbor Channel and Piers—Miami, Fla.—Bids will be received soon, for harbor channel and piers for Miami. Isham Randolph, Harbor Engr. Noted July 8.

Barges—Mobile, Ala.—Pratt Consolidated Coal Co. will build 16 barges and one steam boat for coal transportation. Estimated cost, $71,200.

Levees—Shreveport, La.—Bids will soon be received, according to press reports, for levees at Upper Missionary, West Egypt, Thompson's Cedar Bluff, Long Point, Loggy Lea and Campo Bello reaches.

Park Improvements—Cincinnati, Ohio—Citizens will vote on $1,250,000 bonds for park improvements at November election.

Drainage—Kenton, Ohio—(Official)—Morgan Engineering Co., Memphis, Tenn., retained as engineer to prepare plans for protection of about 25,000 acres on the Upper Scioto Drainage and Conservation District, Hardin County.

Elimination Grade Crossing—Madisonville, Ohio—Plans approved by Pennsylvania Lines West of Pittsburgh for elimination of grade crossing at Erie Ave., Madisonville. Philip Fosdick, Cincinnati, City Engr. Estimated cost, $140,000.

✚Ditch—New Philadelphia, Ohio—Contract awarded to W. A. SHIRE, Ashland, at $0.09 per cu.yd. for ditch in Tuscarawas and Holmes Counties. Noted Aug. 19.

✚Drainage—Toledo, Ohio—Contract awarded to GILMORE BROS., Toledo, at $50,000, for drainage in Defiance County.

Drainage—Liverpool, Ill.—Liverpool Drainage and Levee District contemplates draining 3,500 acres. G. R. Wilcoxen, Secy., Comrs.

Barges—Princeton, Ill.—Morton Salt Co. will build barges for use on Illinois Waterway as soon as completed.

Drainage—Atlantic, Iowa—Bids will be received until Sept. 20 by C. E. Kringel, Audr. of Cass County for Indian Creek Drainage Ditch No. 1. Estimated number of cubic yards, 129,000.

✚Ditch—Des Moines, Iowa—Contract awarded to JOHN ATWOOD, Mingo, for drainage ditch No. 17 in Clay Township.

✚Ditch—Grand Rapids, Minn.—Contracts awarded to BARNARD, LATVALA & FREDERICKS, Minneapolis, at $104,89 for 36-mile ditch in Itasca County.

Ditch—Slayton, Minn.—Bids will be received until Sept. 21 by E. V. O'Brien, County Audr., for ditches, 40, 42, 43, 10 and 11. Estimated cost, $122,020.

Ditch—Worthington, Minn.—Bids will be received until Sept. 25, by G. Swanberg, County Audr., for ditch No. 12. Estimated cost, $23,073.

Levees—Concordia, Kan.—Bids will be received until Sept. 20 by James McCahn for ten sections of Lawrence Township levee. S. Doran, County Engr.

Elimination of Grade Crossing—Hutchinson, Kan.—Arkansas Valley Interurban and Rock Island & Santa Fé Ry. plan to eliminate grade crossing at Ave. B and Lorain St. Estimated cost, $50,000. R. F. Rockefeller, Division Engr. of Rock Island Ry., Engr.

Levees—Malden, Mo.—Bonds for $40,000 have been sold. Levees will be constructed in St. John's Drainage District. Bids will be received about Oct. 1.

★Drainage—Marion, Ark.—(Official)—Bids will be received until noon, Sept. 22, by Willis E. Ayres, Randolph Bldg., Memphis, Tenn., for purchase of $160,000 drainage bonds.

Canal Improvements—Twin Falls, Idaho—Twin Falls Canal Co. contemplates enlarging highline canal and replacing siphons in Rock Creek district. Estimated cost, $125,000.

Drainage—Plain City, Utah—Surveys being made by W. P. Thomas, County Agricultural Agent, of water-logged lands near Plain City and Hooper with a view to drainage.

Dams—Salt Lake City, Utah—Bids will be received until Oct. 1 by S. Q. Cannon, City Engr., for 105x300-ft. dam in Parley's Canyon. Estimated cost, $100,000.

Jetty Work—Kelso, Wash.—Contracts awarded to INTERSTATE CONSTRUCTION CO., Portland, Ore., for 400 ft. of Jetty in front of Hill Mill Bar and to ALBERT BURCHAM, Kelso, for furnishing pile.

Steel Rails—Seattle, Wash.—Bids will be received until 1:30 p.m., Sept. 22, by C. E. Remsberg, Secy., Port of Seattle Commission, for steel rails and appurtenances for East Waterway Terminals. Estimated cost, $15,000.

Barge—Windsor, Ont.—Plans being prepared by C. W. Cadwell, Mgr., Cadwells Ltd., for steel barge with 1,600 cu.yd. capacity fully equipped.

Terminals and Sea Wall—Vancouver, B. C.—Canadian Northern Ry. Co. will construct terminals and sea wall at Vancouver. Estimated cost, $5,000,000.

BUILDINGS

Other items relative to Building Construction will be found under the following heads: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Portland, Maine—Elm Theater Co. will build ground floor theater on Elm St. near Congress St.

+Portsmouth, N. H.—Contract awarded to E. N. McNABB & CO., Portsmouth, at about $50,000, for 2½-story, 36x126-ft. building for Chase Home for Children.

+Amherst, Mass.—Contract awarded to ALLEN BROS., Amherst, for fraternity building for Delta Upsilon Society, Amherst.

Boston, Mass.—Andrew A. Badaracco, 359 Hanover St., will build three-story, 31x282-ft., brick building at Haymarket Sq. Fred A. Norcross, 46 Cornhill, Arch. Estimated cost, $90,000.

+Boston, Mass.—Contract awarded to L. P. SOULE & CO., 40 Central St., for eight-story office building at Tremont and Boylston St. Blackall, Whittemore & Clapp, 20 Beacon St., Arch.

Cambridge, Mass.—Walsh Bros., 150 Hampshire St., Cambridge, at $78,000, low bidder for hospital and boiler house for City of Cambridge.

Danvers, Mass.—All bids received for Essex County Independent Agricultural School have been rejected. New bids will be received. Estimated cost, $50,000. Noted June 24.

Lawrence, Mass.—Municipal Council will build 12-room school on Jackson Terrace. Estimated cost, $90,000.

North Adams, Mass.—Bids will be received about Sept. 17 for 80x269-ft. brick high school. E. C. & G. C. Gardner, Springfield, Arch. Estimated cost, $175,000. Noted Aug. 19.

Springfield, Mass.—Board of Aldermen voted to have plans prepared for addition to Howard St. school.

+Springfield, Mass.—Contract awarded to M. MALONEY, Springfield, at about $50,000 for memorial building for E. K. Wilcox, Post 16, G. A. R.

Wellesley, Mass.—Wellesley College will build dormitory. Coolidge & Carlson, 89 State St., Boston, Arch.

+Pawtucket, R. I.—Contract awarded to B. F. SMITH CONSTRUCTION CO., Pawtucket, for one-story brick addition to Industrial Trust Co.'s Bank.

East Hartford, Conn.—Wilson Potter, New York, N. Y., has been retained by High School Commission to prepare plans for high school. Estimated cost, $75,000.

New Haven, Conn.—Bids will be received until noon, Sept. 25, by General Hospital Society of Connecticut for three-story and basement, 50x144-ft. administration building. Estimated cost, $100,000.

The National Tube Co., Pittsburgh, Penn., was awarded the Grand Prize at the Panama Pacific Exposition for the general excellence of its tubular products and fittings.

The Pneumatic Placing Co., Inc., has moved from its quarters at 45 Broadway to larger quarters at 2 Rector St., New York.

Albany, N. Y.—Bids will soon be received by M. T. Reynolds, Arch., 100 State St., for six-story, 57x234-ft. office building at 124 State St. for Municipal Gas Co., 112 State St. Estimated cost, $400,000. Noted July 1.

Middletown, N. Y.—Bids will be received about Sept. 24 for five-story bank and office building at North and King St. for Merchants National Bank. Estimated cost, $100,000. D. H. Canfield, Argus Bldg., Arch. Noted June 3.

New York, N. Y.—(Borough of Bronx)—Edifice will be built for Church of Our Lady of Mt. Carmel at Belmont Ave. and 187th St. Estimated cost, $70,000. Rev. D. Burke, Pastor.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by the Department of Public Charities, Municipal Bldg., until 10:30 a.m., Sept. 22, for additions and alterations to the Greenpoint Hospital.

New York, N. Y.—(Borough of Manhattan)—George Backer Construction Co. will build 16-story store and loft building at 31st St. and Madison Ave. Summerfield & Steckler, Arch. Estimated cost, $1,000,000. Noted July 22.

New York, N. Y.—(Borough of Manhattan)—Plans prepared by G. F. Pelham, Arch., 30 East 42nd St., for six-story apartment at Riverside Drive and 149th St. for West Side Construction Co., 200 West 72nd St. Estimated cost, $200,000. Jacob Axelrod, Pres.

New York, N. Y.—(Borough of Manhattan)—Gaetan Ajello, Arch., 1 West 34th St., is preparing plans for 13-story apartment at Riverside Drive and 108th St. for Anthony A. Paterno Construction Corporation, 272 West 84th St.

New York, N. Y.—(Borough of Manhatan)—St. Bernard's Parish plans five-story, fireproof school on 13th St. near Hudson St. Estimated cost, $130,000.

New York, N. Y.—(Borough of Manhattan)—Montague Flagge, 2nd., New York, prepared plans for 20-story store, bank and office building at Fifth Ave. and 42nd St., for Oceanic Investing Co. Estimated cost, $1,000,000. Noted Sept. 9.

New York, N. Y.—(Borough of Queens)—Degnon Contracting Co., New York, will build office building at Van Alst Ave. and Fourth St., Long Island City.

Riverhead, N. Y.—Supervisors of Suffolk County plan two-story office building for County Clerk and Treasurer. Tooker & Marsh, New York, Arch. Estimated cost, $42,500.

Southampton, N. Y.—Citizens plan addition to Southampton Hospital.

+Troy, N. Y.—Contract awarded to A. E. STEVENS CO., 101 Park Ave., New York, N. Y., for dining hall and dormitories at Rensselaer Polytechnic Institute. Estimated cost, $200,000. Noted May 27.

Camden, N. J.—A Special Committee of Bd. of Education will retain architect to prepare plans for new Manual Training High School at Baird Ave. and Boulevard, Forest Hill Park. Estimated cost, $400,000. Noted Apr. 8.

Elizabeth, N. J.—Bids will be received until 8 p.m., Sept. 30, by Board of Education for two schools. C. Godfrey Poggi, 2 Julian Pl., Arch. Noted July 8.

Elizabeth, N. J.—At meeting of Mayor and Finance and Charities Committees of Council it was voted to remodel almshouse and to recommend to Council that bids be asked. Cost, $40,500.

SUBWAY—PHILADELPHIA, PENN.

Foundations

Bids were received Aug. 16 by A. M. Taylor, Dir. of Dept. of City Transit, for constructing foundations in Front St., Kensington and Frankford Ave. from: (A) Edward Fay & Son, 2 South Mole St., Philadelphia; (B) Robert Lombardi, 600 Lincoln Bldg., Philadelphia; (C) Keystone State Construction Co., 704 Pennsylvania Bldg., Philadelphia; (D) Peoples & Ruch, 237 Commercial Trust Bldg., Philadelphia; (E) American Paving and Construction Co., 211 South Ninth St., Philadelphia; (F) Oscar Daniels Co., 233 Broadway, New York, N. Y.; (G) Millard & Lupton Co., East Allegheny Ave. and Tulip St., Philadelphia; (H) James D. Dorney, 1204 East Montgomery Ave., Philadelphia; (I) New York & New Jersey Construction Co., 30 East 42nd St., New York, N. Y.; (J) A. L. Guidone & Son, Inc., 131 East 23rd St., New York, N. Y. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J
100 cu.yd. excavation	$2.50	$2.75	$2.00	$1.50	$4.00	$2.50	$10.00	$1.90	$3.50	$1.50
100 cu.yd. concrete masonry	8.00	5.75	5.00	4.00	6.50	7.00	15.00	6.90	7.50	7.50
1,000 sq.ft. precast reinforced concrete planking	1.00	.45	.30	.23	.50	.25	1.00	.10	.20	2.20
100 cu.yd. brick masonry	10.00	9.00	15.00	13.00	20.00	12.00	15.00	14.50	15.00	15.00
100 cu.yd. rubble stone masonry	5.25	5.75	5.00	6.00	6.00	9.00	8.00	5.50	6.50	6.00
10 concrete piles	2.00	35.00	45.00	30.00	33.00	30.00	100.00	35.00	35.00	60.00
M ft. yellow pine lumber	49.00	35.00	80.00	55.00	60.00	40.00	100.00	48.00	60.00	54.00
1,000 lb. steel work	.05	.04	.04	.04	.04	.035	.10	.04	.04	.03
1,000 lb. iron castings	.10	.03	.04	.035	.06	.03	.10	.0325	.04	.03
100 lin.ft. 5 in. or 6 in. vitrified clay pipe	.70	.25	.20	.55	1.00	.30	.75	.30	.50	.40
100 lin.ft. 8 in. or 10 in. vitrified clay pipe	1.00	.35	.40	.55	1.00	.40	1.50	.40	.75	.60
100 lin.ft. 12-in. vitrified clay pipe	1.30	.45	.80	1.10	1.50	.60	2.00	.50	1.00	1.00
100 lin.ft. 15-in. or 18-in. vitrified clay pipe	1.75	.60	1.20	1.25	1.90	.80	2.50	.75	1.25	1.25
100 sq.yd. stone block invert lining or sewer paving	4.00	2.00	2.50	7.00	3.00	2.50	3.00	2.99	3.00	4.00
100 sq.yd. vitrified brick invert lining	4.00	2.00	2.00	7.00	3.00	2.00	3.00	2.00	4.00	2.50
10 taking out existing sewer inlets	20.00	10.00	20.00	6.00	10.00	20.00	50.00	15.00	50.00	45.00
10 taking out and rebuilding inlets	80.00	50.00	70.00	75.00	90.00	100.00	150.00	70.00	100.00	140.00
10 building new inlets	100.00	75.00	80.00	75.00	100.00	150.00	100.00	75.00	50.00	140.00
10 moving gas lamp and posts	10.00	6.00	10.00	10.00	10.00	20.00	25.00	16.00	15.00	6.00
100 lin.ft. steel bound granolithic curb	.79	1.60	1.00	.75	1.00	1.20	1.00	.60	.70	.50
100 lin.ft. resetting stone curb	.25	.20	.30	.20	.20	.25	.50	.25	.25	.20
100 sq.yd. brick and flagstone sidewalk repaving	.60	2.00	.50	1.00	.50	1.75	1.50	.45	1.50	1.50
100 sq.yd. granolithic sidewalk repaving	1.50	1.50	1.50	1.45	1.50	2.00	2.00	1.40	1.50	1.50
100 sq.yd. granite block repaving on gravel base	1.50	.75	.50	.25	.70	1.50	1.50	.45	1.50	3.00
100 duct ft. terra-cotta Conduits	.45	.50	.20	.40	.20	.30	.25	.15	.15	.15
100 lin.ft. moving and relaying gas or water mains	6.00	1.50	1.00	10.00	1.00	2.00	5.00	2.75	2.00	3.00
100 new curb stop boxes or vent boxes	4.00	.40	1.00	2.00	1.00	5.00	1.00	.45	2.00	10.00
Extended totals	$188,278	$155,150	$185,970	$235,240	$315,640	$225,815	$273,150	$149,235	$290,450	$202,334

Pleasantville, N. J.—Bids will be received until Sept. 28 by S. Hudson Vaughn, Guarantee Trust Bldg., Atlantic City, Arch., for three-story, 105x130-ft. high school. Estimated cost, $40,000.

Carbondale, Penn.—Bids will be received until Oct. 1, by Secretary, Board of Education, for four-story, 80x150-ft. high school. E. H. Davis, Scranton, Arch. Estimated cost, $200,000. Noted Sept. 9.

Hanover, Penn.—City plans high school. Estimated cost, $85,000. Noted Apr. 15.

✚**Johnstown, Penn.**—Contract awarded to W. H. FISSEL & CO., Broadway and 34th St., New York, N. Y., for superstructure for passenger station for Pennsylvania R.R. Sub-bids desired.

✚**Philadelphia, Penn.**—Contract awarded to CRAMP & CO., Philadelphia, at $100,000 for seven-story commercial and loft building at 315 Arch St. for Charles Schmidt. Noted June 10.

✚**Philadelphia, Penn.**—Contract awarded to FIDELITY CONSTRUCTION CO., at $139,951, for cavalry squadron armory. Noted Aug. 26.

Baltimore, Md.—Bids will be received about Sept. 20 for 18-story office building at Lexington and Liberty St. for Public Service Building Co. Estimated cost, $1,600,000. Noted Aug. 12.

✚**Baltimore, Md.**—Contract awarded to W. E. BURNHAM, Law Bldg., at $51,337, for school on Cold Spring Lane near Old York Rd.

✚**Washington, D. C.**—Contract awarded to JAMES L. MARSHALL, 700 Tenth St., for office building on Pennsylvania Ave., between 13th and 14th St. for Federal City Construction Co. Noted July 29.

✚**Danville, Va.**—Contract awarded to LONZO B. FLORA, Danville, for Stonewall Jackson School.

Bethany, W. Va.—Plans being prepared by W. H. Nicklas, 1900 Euclid Ave., Cleveland, Ohio, for brick and stone building for Presbyterian Church. Estimated cost, $50,000.

Charleston, W. Va.—Paul Eagan, Charleston, prepared plans for three-story brick, stone and terra cotta office building on State St. for A. H. Boyd. Estimated cost, $40,000.

Charleston, W. Va.—Plans being prepared by David Dick, Arch., Citizens' Bank Bldg., for two-story, 84x50-ft. addition to courthouse for Kanawha County. Estimated cost, $90,000.

Fairmont, W. Va.—Plans being prepared by W. H. Nicklas, Euclid Bldg., Cleveland, Ohio, for one-story church for First Presbyterian Church. J. W. Barnes, Chn., Bldg. Comm. Estimated cost, $75,000.

Huntington, W. Va.—Plans prepared by McMichael & Cain, Lyric Bldg., Richmond, Va., for two-story church for Huntington Institutional Baptist Congregation. Estimated cost, $100,000.

✚**Spartanburg, S. C.**—Contract awarded to WILLARD-BOGGS CONSTRUCTION CO., Spartanburg, at about $100,000, for remodeling passenger station of Southern Ry. Co.

Akron, Ohio—Bids will soon be received by Lauer & Young, Arch., Akron, for two-story, 99x76-ft. Sunday school and church for North Hill M. E. Congregation. Estimated cost, $40,000.

Bellaire, Ohio—Plans being prepared by Charles W. Bates, Board of Trade Bldg., Wheeling, W. Va., for bank, office and apartment at 32nd and Union St., for Farmers & Merchants' National Bank. Estimated cost, $40,000.

Cincinnati, Ohio—Plans being prepared for three-story college building for St. Xavier College. J. G. Steinkamp & Bro., 414 Walnut St., Cincinnati, Arch. Estimated cost, $200,000.

Cincinnati, Ohio—(Official)—Bids will be received until noon, Sept. 20, by Clerk, Bd. of Education, City Hall, for bridge, tower and buildings A, B, C, D and E of new East Side High School at Madison Rd. and Erie Ave. Noted July 29.

Cleveland, Ohio—Bids will be received until Sept. [illegible] by George H. Smith, Arch., Colonial Arcade, for administration building for White Sewing Machine Co., East 78th St. and St. Clair Ave. Estimated cost, $90,000.

Cleveland, Ohio—Charles W. Somers, Cleveland, will build six-story building at Euclid Ave. and East Ninth St. Estimated cost, $300,000.

Cleveland Heights, Ohio—(Warrensville post office)—Chas. S. Schneider, 2248 Euclid Ave., Cleveland, prepared plans for church on Cedar Rd. for Plymouth Congregational Church. Estimated cost, $75,000.

✚**Columbus, Ohio**—Contract awarded to B. F. SMITH, Columbus, at $45,000, for country club at Arlington Ave. near storage dam. Noted Aug. 12.

✚**Columbus, Ohio**—Contract awarded to R. H. EVANS & CO., Columbus, at $116,000, by Board of Trustees of Ohio State University for Home Economics Building. Noted Aug. 19.

Columbus, Ohio—Bids will be received about Oct. 1st by C. E. Steeb, Secy., Ohio State University, for one- and two-story and basement, 120x250-ft. shop building for Ohio State University. Noted Aug. 12.

✚**Dayton, Ohio**—Contract for nine-story hotel at Fifth and Wilkerson St., for William C. Myers, awarded to T. A. GRAHAM, Springfield, at about $300,000.

Deshler, Ohio—Baltimore & Ohio R.R. and Cincinnati, Hamilton & Dayton Ry. will build new depot at Deshler.

Eaton, Ohio—Plans have been prepared by Thies & Thies, Arch., Dayton, for courthouse. Election will be held in November to vote on $250,000 bonds.

Lancaster, Ohio—Election will be held to vote on $100,000 bonds for high school.

Madison, Ohio—Plans being prepared by Franz C. Warner, Arch., Cleveland, for two-story and basement, 62x100-ft. high school. Estimated cost, $55,000.

Toledo, Ohio—(Official)—Bids will be received until noon, Oct. 1, by A. W. Stowe, Pres., Bd. of Dir., Toledo College, for addition to Toledo University.

Xenia, Ohio—Election will be held in November to vote on $135,000 bonds for manual training school and playground.

✚**Youngstown, Ohio**—Contract for business block on West Federal St. for Ernest Salow has been awarded to HELLER BROS. CO.

✚**Hammond, Ind.**—(Official)—Contract awarded to JOHN H. McCLAY, Hammond, at $139,190, for Hammond Industrial High School. Noted Aug. 26.

Marion, Ind.—Bids will be received about Oct. 27 for high school for city. Hiram Elder, Marion, Arch. Estimated cost, $150,000.

Detroit, Mich.—Joseph L. Gwizdowski, Detroit, prepared plans for building at Junction and Michigan Ave. for Polish Union Society of Detroit. Estimated cost, $50,000.

Lake Linden, Mich.—Plans being prepared by John D. Chubb, Arch., Chicago, Ill., for three-story and basement, 98x170-ft. high school. Estimated cost, $100,000.

✚**Chicago, Ill.**—Contract for three-story, 350x700-ft. marble building for Marshall Field Museum of Natural History awarded to NORCROSS BROS. CO., 103 Park Ave., New York, N. Y., at $5,000,000. Noted July 29.

East St. Louis, Ill.—Newton P. Storey, Arch., East St. Louis, preparing plans for four-story hotel at Third St. and Broadway for John J. Wies.

Evanston, Ill.—Northwestern University and Garrett Biblical Institute will build new theological group on university campus. First building will be dormitory. Estimated cost, $150,000.

SUBWAY—PHILADELPHIA, PENN.

Bids were received Aug. 16 by A. M. Taylor, Dir. Dept. of City Transit, for the construction of subway and station under Filbert St., City Hall and South Penn Sq. from: (A) Foundation Co., 233 Broadway, New York, N. Y.; (B) Snare & Triest Co., Pier No. 40, South Wharves, Philadelphia; (C) F. L. Cranford, Inc., and Smith, Hauser & MacIsaac, Inc., Mail St. and Broadway, New York, N. Y.; (D) New York and New Jersey Construction Co., 30 East 42nd St., New York, N. Y.; (E) Keystone State Construction Co., 704 Pennsylvania Bldg., Philadelphia; (F) Arthur McMullen Co., 149 Broadway, New York, N. Y. The item bids were as follows:

	A	B	C	D	E	F
1,000 cu.yd. excavation above elevation zero	$4.00	$3.00	$4.00	$5.00	$3.00	$5.00
1,000 cu.yd. excavation below elevation zero	10.00	5.00	25.00	7.50	7.00	5.00
100 vertical ft. c.-i. cylinder columns, 4 ft. 6 in. diameter	100.00	50.00	40.00	80.00	50.00	100.00
10,000 lb. riveted steel columns	.06	.035	.05	.06	.05	.04
100 cu.yd. class A concrete	10.00	10.00	8.00	12.00	12.00	10.00
100 cu.yd. class C concrete	8.00	7.00	7.00	10.00	10.00	9.00
1,000 sq.ft. concrete sheathing	.50	1.00	.60	.20	.50	.15
1,000 cu.yd. backfilling	.40	1.00	1.00	.50	.50	.01
100 cu.yd. brick masonry	16.00	12.00	20.00	16.00	25.00	15.00
100 bbl. grout	3.00	4.00	5.00	3.00	5.00	2.00
2 M. ft. b.m. yellow-pine lumber	80.00	50.00	100.00	50.00	100.00	50.00
10,000 lb. steel girders	.045	.035	.04	.05	.03	.04
10,000 lb. steel beams	.045	.035	.035	.05	.03	.04
10,000 lb. steel rods	.035	.03	.05	.03	.05	.03
1,000 sq.ft. steel sheathing	1.00	1.00	.60	.50	1.50	.40
1,000 sq.ft. 1-ply waterproofing	.10	.06	.06	.04	.10	.05
1,000 sq.ft. 2-ply waterproofing	.12	.10	.09	.06	.20	.07
100 sq.ft. safety treads	.90	1.50	1.50	1.00	1.00	.50
1,000 lin.ft. 5-in. or 6-in. vitrified clay pipe	.50	.40	1.50	.50	.60	.20
1,000 lin.ft. 8-in. or 10-in. vitrified clay pipe	.70	.60	1.50	.75	1.00	.40
1,000 lin.ft. 12-in. vitrified clay pipe	1.00	.80	1.60	1.00	1.20	.75
1,000 lin.ft. 15-in. or 18-in. vitrified clay pipe	1.20	1.00	1.75	1.25	1.80	1.25
10,000 lb. c.-i. pipe	.03	.02	.03	.03	.03	.03
1,000 lb. steel gratings	.06	.06	.07	.08	.15	.06
2,000 sq.ft. vault lights	2.00	1.20	1.50	1.50	1.50	2.00
1,000 duct ft. electric ducts	.20	.12	.20	.10	.20	.12
100 sq.yd. wood block paving	3.50	3.50	4.50	3.50	4.50	3.00
100 sq.yd. asphalt paving	3.50	2.50	4.00	3.00	3.50	3.00
100 sq.yd. granolithic paving	2.25	2.00	3.00	2.50	2.70	2.00
500 lin.ft. resetting granite curb	.50	.60	.50	.60	.20	.50
Extended totals	$1,763,870	$2,787,240	$2,404,770	$2,486,980	$1,737,320	$2,286,060

Rockford, Ill.—Bids will be received until Sept. 20 by Board of Education for two-story, 115x130-ft. brick school. Frank A. Carpenter, Rockford, Arch. Estimated cost, $80,000.

Springfield, Ill.—Bids will be received until Sept. 20 by Louis G. Stevenson, Secy. of State, for remodeling south and north wing of State Capitol. James B. Dibelka, 130 North Fifth Ave., Chicago, Arch.

De Pere, Wis.—St. Norberts College will build an addition. Estimated cost, $70,000.

+Madison, Wis.—Contract awarded to WISCONSIN CONSTRUCTION CO., Chippewa Falls, at about $110,000, for physics building at University of Wisconsin. Arthur Peabody, Arch.

Milwaukee, Wis.—Plans prepared by Kirchoff & Rose, Arch., Milwaukee, for six-story commercial building at Chicago and Milwaukee St. Estimated cost, $100,000.

Milwaukee, Wis.—Bids being received by John Paul, Arch., St. Francis, for edifice for Polish National Catholic congregation, at Sixth and Hayes Ave. Estimated cost, $45,000.

+Milwaukee, Wis.—Contracts awarded for new building at Milwaukee Infants Home and Hospital at Hartford Ave. and Bradford Pl., to S. J. BROCKMAN, mason work; F. ERDMANN, carpenter work; JESKE & BRO., sheet metal; C. HENNECKE CO., iron; and WINDING & GEZELSCHAP, roofing. Fitzhugh Scott, 424 Jefferson St., Arch.

Chatfield, Minn.—Tyrie & Chapman, Arch., Auditorium Bldg., Minneapolis, preparing plans for two-story high school. Estimated cost, $50,000.

Maynard, Minn.—Plans being prepared for three-story school by E. F. Broomhall, Duluth. Estimated cost, $40,000.

Lincoln, Neb.—Bids will be received until 4 p.m., Sept. 25, by Board of Regents of University of Nebraska, for botany and zoology building. Estimated cost, $180,000. J. S. Dales, Secy.

Omaha, Neb.—P. H. Philbin, Omaha, plans 14-story hotel at 16th and Douglas St.

STATE HIGHWAYS—CALIFORNIA

Bids were received by the State Highway Commission, Sacramento, Calif., for constructing highways in Tulare, Division VI, Route 10, Section A, Tulare, Division VI, Routes 4 and 10, Sections D and E, Contra Costa, Glenn and Tehama Counties, from (A) Shattuck & Nimmo Warehouse Co., Bakersfield; (B) Rogers Bros. Co., Los Angeles; (C) Highway Paving & Construction Co., San Francisco; (D) Bent Bros., Los Angeles; (E) White & Gaskill, Long Beach; (F) John D. Marsh, Bakersfield; (G) M. Blumenkranz, Davis; (H) Taylor & Berliner, Los Angeles; (I) F. Rolandi, San Francisco; (J) Contra Costa Construction Co., Berkeley; (K) James Fitzpatrick, Sacramento; (L) Theodore Maretas and Thomas H. Muller, San Francisco; (M) J. H. Falconer, Pinole; (N) O'Brien Bros., Martinez; (O) Spring Construction Co., Berkeley; (P) W. A. Bechtel, Alton; (Q) W. B. Hunt & Sons, Alameda; (Q-1) Hard Bros., Ukiah; (R) A. C. McLean Construction Co., San Francisco; (R-1) W. J. Schmidt, Berkeley; (S) Palmer & McBryde, San Francisco; (S-1) Richard Rothwell, Los Angeles; (T) Urban Construction Co., San Francisco; (T-1) Blanchard Brown Co., San Francisco; (U) Bates Borland & Ayer, Oakland; (U-1) Occidental Construction Co., Los Angeles; (V) Fairbanks & Baechtel, Willits; (V-1) G. W. Conners, Eureka; (W) L. F. Gerdetz, San Francisco; (W-1) Marin Rock Co., San Anselmo; (X) H. G. Vaughan Construction Co., San Francisco; (X-1) C. H. & A. W. Gorrill, San Francisco; (Y) P. H. Hoare, Oakland; (Y-1) H. H. & C. M. Harlan, Williams; (Z) Engineer's Estimate. The item bids were as follows:

Tulare County, Division VI, Route 10, Section A

	A	B	C	D	E	F	Z
2970 cu.yd. excavation	$0.50	$1.25	$0.65	$0.70	$0.55	$0.70	$0.60
2220 cu. d. burrow excavation	.50	1.25	.85	.75	.55	.70	.60
210 lin.ft. 12-in. corrugated iron pipe	.50	1.00	.60	.60	.65	.60	.40
174 lin.ft. 18-in. corrugated iron pipe	.60	1.00	.70	.72	.75	.80	.50
11 cu.yd. concrete, Class B, for culverts and monuments	10.00	16.00	10.00	15.60	14.00	20.00	10.00
3840 cu.yd. concrete, Class B, for pavement	3.80	4.20	3.45	4.00	3.00	2.90	2.85
16 monuments	1.00	5.00	1.00	1.00	1.00	1.00	.50
Extended totals	$17,522	$23,255	$17,439	$19,542	$14,812	$15,270	$17,933

Tehama County

	I	K	S	(S-1)	(V-1)	(Y-1)	Z
83,400 cu.yd. excavation unclassified	$0.445	$0.45	$0.49	$0.59	$0.49	$0.46	$0.45
2268 lin.ft. 12-in. corrugated iron pipe	.50	.45	.40	.50	.40	.40	.40
670 lin.ft. 18-in. corrugated iron pipe	.60	.55	.50	.50	.50	.50	.50
288 lin.ft. 24-in. corrugated irpn pipe	1.00	.70	.70	.75	.60	.75	.65
700 cu.yd. concrete, Class B, for culverts, monuments and slope paving	12.00	11.00	15.00	12.00	12.00	11.00	110.00
120 cu.yd. concrete, Class B, retaining walls	10.00	9.00	12.00	12.00	10.00	11.15	8.00
236 monuments	1.00	1.00	1.00	1.00	1.00	1.50	.50
Extended totals	$48,773	$48,136	$54,485	$60,967	$52,117	$49,214	$54,093

Contra Costa County

	I	J	K	L	M	N	O	P	Q	(Q-1)	R
65,000 cu.yd. excavation unclassified	$0.47	$0.44	$0.45	$0.45	$0.47	$0.43	$0.46	$0.57	$0.48	$0.65	$0.47
640 lin.ft. 12-in. corrugated iron pipe	.50	.50	.45	.90	.50	.40	.53	.50	.80	.80	.40
680 lin.ft. 15-in. corrugated iron pipe	.60	.60	.50	1.10	.60	.50	.63	.50	.80	.90	.50
470 lin.ft. 18-in. corrugated iron pipe	.70	.70	.55	1.30	.70	.80	.75	.50	.80	1.00	.60
92 lin.ft. 21-in. corrugated iron pipe	.90	.80	.55	1.50	.75	1.00	.85	.50	.80	1.00	.75
370 lin.ft. 24-in. corrugated iron pipe	1.00	.90	.75	1.80	1.00	1.20	1.05	.50	.80	1.00	1.00
72 lin.ft. 30-in. corrugated iron pipe	1.25	1.00	1.00	2.00	1.10	1.60	1.50	.50	.80	1.00	1.20
555 cu.yd. concrete, Class B, culverts and monuments	12.50	10.00	15.00	12.50	13.05	10.50	11.50	12.50	12.00	12.00	15.00
147 monuments	1.00	2.00	1.00	1.60	2.00	1.00	1.50	1.00	.85	1.00	1.00
Extended totals	$39,234	$35,979	$39,008	$39,306	$39,662	$35,547	$38,198	$45.297	$39,844	$51,185	$40,425

	(R-1)	S	(S-1)	T	(T-1)	U	(U-1)	V	(V-1)	Z
65,000 cu.yd. excavation unclassified	$0.43	$0.58	$0.40	$0.36	$0.40	$0.39	$0.47	$0.40	$0.455	$0.50
640 lin.ft. 12-in. corrugated iron pipe	.50	.50	.40	.40	.48	.50	.55	.50	.40	.50
680 lin.ft. 15-in. corrugated iron pipe	.60	.60	.40	.50	.55	.60	.65	.54	.50	.60
470 lin.ft. 18-in. corrugated iron pipe	.60	.70	.65	.50	.65	.75	.75	.65	.60	.70
92 lin.ft. 21-in. corrugated iron pipe	.60	.80	.70	.60	.75	1.00	.85	.60	.75	.75
370 lin.ft. 24-in. corrugated iron pipe	.75	.90	.75	.70	1.00	1.25	.90	.75	1.00	.80
72 lin.ft. 30-in. corrugated iron pipe	1.00	1.00	1.00	1.00	1.50	1.50	1.00	.70	1.00	1.10
555 cu.yd. concrete, Class B, culverts and monuments	12.00	15.00	12.00	9.00	17.00	11.50	12.00	12.00	11.00	12.00
147 monuments	.50	1.00	1.00	1.50	1.00	1.00	1.00	1.00	1.00	.50
Extended totals	$36,098	$47,708	$34,054	$29,832	$37,116	$33,623	$38,987	$34,189	$37,216	$46,344

Tulare County, Division VI, Routes 4 and 10, Sections D and B

	A	B	C	D	E	F	G	H	Z
14,350 cu.yd. excavation	$0.60	$1.00	$0.60	$0.70	$0.45	$0.60	$0.60	$0.70	$0.50
2000 cu.yd. burrow excavation	.60	1.00	.70	.80	.50	.59	.75	.70	.75
210 lin.ft. 12-in. corrugated iron pipe	.50	1.00	.55	.60	.65	.50	.50	.50	.40
130 lin.ft. 18-in. corrugated iron pipe	.60	1.00	.60	.72	.75	.60	.60	.60	.55
195 lin.ft. 24-in. corrugated iron pipe	.70	1.50	1.00	.84	.85	.70	.75	1.00	.70
248 cu.yd. concrete, Class B, culverts and monuments	10.00	16.00	9.00	10.55	14.00	10.00	12.25	10.00	10.00
6350 cu.yd. concrete, Class B, pavement	3.00	3.75	3.20	3.58	2.85	2.68	4.25	4.00	2.90
1500 lin.ft. guard rail	.50	.50	.30	.35	.60	.50	.60	.50	.40
51 monuments	1.00	3.00	1.00	1.00	1.00	1.00	1.09	1.00	.50
Extended totals	$32,460	$45,666	$33,451	$37,953	$30,778	$30,409	$41,415	$40,504	$35,060

Glenn County

	C	H	Q	W	(W-1)	X	(X-1)	Y	Z
14,700 cu.yd. excavation unclassified	$0.625	$0.60	$0.58	$0.50	$0.60	$0.54	$0.55	$0.70	$0.65
300 lin.ft. 12-in. corrugated iron pipe	.55	1.00	.60	.75	.45	1.00	.50	.40	.40
210 lin.ft. 18-in. corrugated iron pipe	.60	1.50	.60	1.00	.65	1.50	.60	.60	.50
120 lin.ft. 24-in. corrugated iron pipe	1.00	2.00	.60	1.25	.75	2.00	.75	.75	.60
176 cu.yd. concrete, Class B, culverts and monuments	9.00	10.00	10.00	9.00	9.00	9.75	9.00	12.50	10.00
9190 cu.yd. concrete, Class B, pavement	3.10	2.40	3.00	3.00	2.85	2.645	2.95	3.45	2.75
440 lin.ft. guard rail	.30	.60	.40	.40	.35	.75	.35	.50	.35
62 monuments	1.00	1.00	.50	1.00	1.50	1.00	1.00	2.00	1.00
Extended totals	$39,865	$38,817	$38,441	$37,327	$37,204	$35,209	$37,362	$44,875	$42,665

Devils Lake, N. D.—Masonic Lodge will build temple. Estimated cost, $45,000.

Great Falls, Mont.—Bids will soon be received for St. Marys Academy at Fourth Ave., North and Seventh St. George Shanley, Arch. Estimated cost, $40,000.

✚**Kansas City, Mo.**—Contract awarded to KANSAS CITY CONSTRUCTION CO., at $60,000, for two-story brick hospital and chapel at 2800 Main St. for Sisters of St. Mary. Victor J. Klutho, Syndicate Trust Bldg., St. Louis, Arch.

St. Joseph, Mo.—Bids will be received about Oct. 1 by Walter Boschen, St. Joseph, Arch., for three-story, 60x120-ft. physicians' and surgeons' building for W. F. Kirkpatrick. Noted Aug. 12.

St. Louis, Mo.—Plans have been approved by Director of Public Welfare for house of detention at 14th St. and Clark Ave. Estimated cost, $120,000. Noted Dec. 10 and Jan. 7.

Amarillo, Tex.—Citizens contemplate Carnegie library. W. H. Coon, Chn. Civic Com. of Bd. of City Develop. Estimated cost, $40,000.

Austin, Tex.—Citizens contemplate issuing $250,000 bonds for school buildings.

Afton, Okla.—Election will be held Sept. 28 to vote on $75,000 bonds for county court house.

Chotenu, Okla.—Election will be held to vote on $200,000 bonds for county court house and four bridges across Grand River.

Oklahoma, Okla.—Oklahoma Amusement Co. will build theater at 19 North Robinson St. Estimated cost, $75,000.

BARGE CANAL WORK—ALBANY N. Y.

Contract No. 37

✚Bids were received Aug. 17 by W. W. Witherspoon, Supt. of Pub. Wks., for the construction of a harbor and dockwall on the south side of the Mohawk River at Canajoharies under Terminal Contract No. 37, from, (A) Engineers Estimate, (B) A. M. Haell, 90 West St., New York, N. Y., (C) Champlain Engineering & Contracting Corporation, Saratoga Springs, N. Y., (D) Lupfer & Remick, Buffalo, N. Y., (E) HOLLER & SHEPARD, Rochester, N. Y., (awarded contract), (F) Eastover Construction Co., Utica, N. Y., (G) American Pipe & Construction Co., Philadelphia, Penn. The item bids were as follows:

	A	B	C	D	E	F	G
24,000 cu.yd. excavation	$0.40	$0.48	$0.60	$0.30	$0.38	$0.45	$0.45
900 cu.yd. embankment	.12	.20	.12	.12	.12	.12	.12
4.2 M ft. b.m. creosoted lumber	65.00	100.00	60.00	75.00	65.00	65.00	65.00
1300 lin.ft. foundation piles	.25	.30	.25	.30	25	.30	.30
5300 lin.ft. reinforced concrete sheet pils	2.40	2.51	2.40	2.47	2.30	2.40	2.50
250 cu.yd. first class reinfoced concrete	13.00	11.00	11.00	13.00	12.00	15.00	13.00
110 cu.yd. second class reinforced concrete	9.00	8.00	8.00	10.00	8.00	10.00	9.00
2400 sq.yd. concrete slab pavement	1.50	1.50	1.45	1.80	1.50	1.80	1.75
300 cu.yd. third class rip-rap	2.50	3.00	2.30	2.50	2.50	2.50	2.50
21,000 lb. structural steel	.04	.04	.05	.045	.04	.04	.04
19,000 lb. metal reinforcement	.035	.035	.04	.04	.025	.035	.035
2700 lb. ison castings—plain	.04	.04	.035	.04	.04	.04	.04
420 lin.ft. malleable c.i. nosing	1.25	1.00	1.25	1.25	1.25	1.25	1.25
65 fender fastenings	1.20	1.10	1.25	1.20	1.20	1.20	1.20
Extended totals	$33,832	$36,152	$38,115	$32,940	$32,572	$36,427	$36,227

✚**Pocatello, Idaho**—Contract awarded to LeDOUX [illegible] DOUX, Portland, Ore., at about $75,000, for four-story, [illegible] ft., steel and brick building for local Order of Elks. [illegible] talling & Dougan, Henry Bldg., Portland, Arch.

Medical Lake, Wash.—Bids will be received until [illegible] by State Board of Control for three-story administration building, custodian building, two ward buildings and laundry and power building for Institution for Feeble Minded. Estimated cost, $200,000. Noted Aug. 5 and 19.

Sedro Woolley, Wash.—Bids will be received until [illegible] m., Sept. 21, by State Board of Control, Olympia, for buildings at Northern Hospital at Norlum, near Sedro Woolley. Noted Aug. 5.

Vancouver, Wash.—(Official)—Bids will be received until noon, Sept. 21, by Board of Control, Olympia, for State School for Blind. D. Nichols and J. A. Zittel, Spokane, Arch. Estimated cost, $75,000. Noted Aug. 19.

Portland, Ore.—Plans are being prepared for six-story and basement building for Loyal Order of Moose. B. E. Yeumans, Deputy Supreme Dictator of Oregon.

Los Angeles, Calif.—Plans have been prepared by Norman F. Marsh, Broadway Central Bldg., for group of high school buildings at Hooper and Compton Ave. and 38th St., to be known as Jefferson High School. Estimated cost, $200,000. Noted Mar. 11.

SEWER—CLEVELAND, OHIO

Bids were received Aug. 18 by the Commissioner of Purchases and Supplies for the construction of a concrete open shannel outfall sewer approximately 630 ft. long and a submerged outfall pipe line about 3600 ft. long, from, (A) Great Lakes Dredge & Dock Co., (B) American Construction Co., (C) Merritt & Chapman Derrick & Wrecking Co., (D) Charles Fath & Co., (E) Cleveland Engineering & Construction Co. The item bids were as follows:

	A	B	C	D	E
2185 lin.ft. 60-in. steel pipe	$18.00	$18.75	$22.62	$24.00	$28.00
2185 lin.ft. 60-in. c.i. pipe	20.45	22.00	34.50	26.00	34.00
2185 lin.ft. 60-in. concrete pipe	.....	27.00	.....	.....	.....
410 lin.ft. 72-in. c.i. pipe	28.75	22.00	46.50	34.00	35.00
410 lin.ft. 72-in. concrete pipe	25.00	25.00	51.50	40.00	38.00
1 tapered section of steel pipe	500.00	800.00	2120.00	6500.00	.....
1 special "Y" connection	500.00	.....	1950.00	.....	600.00
1 head chamber	650.00	.....	1390.00	.....	800.00
5700 lin.ft. wood piling 32 ft. or less long	.33	.40	.40	.45	.35
7200 lin.ft. wood piling more than 32 ft. long	.30	.45	.45	.45	.40
300 lin.ft. wood anchor piling	.38	1.75	.80	1.50	.50
25 timber supports	25.00	40.00	25.00	25.00	20.00
22 M ft. m.b. timber for caps and stringers	75.00	82.00	75.00	90.00	100.00
1250 cu.yd. concrete	10.50	15.00	10.00	14.00	8.00
1100 sq.yd. brick invertment	1.75	1.50	4.30	2.50	3.00
40,000 lb. steel reinforcing	.03½	.04	.06	.03½	.05
1275 lin.ft. iron pipe railing	.95	.90	.47	1.00	1.00
1 connections to present sewer	600.00	200.00	800.00	500.00	1500.00
Extended totals	$95,671	$109,985	$175,513	$125,915	$137,230

The Gardner Governor Co., Quincy, Ill., reports a large increase in its business, especially in the export field. The company has recently received several carload orders from Japan, Cuba and Russia. The contracts call for almost every type of pump from small boiler feeders to general-service, sugar-house and water-works pumps.

The Hydraulic Press Mfg. Co., Mount Gilead, Ohio, has recently changed the officers of the company as follows: A. Q. Tucker, president; W. G. Beebe, vice-president; Frank B. McMillin, general manager and secretary; and M. W. Spear, treasurer. Dr. N. Tucker has been made a director.

TEALL AVE. SEWER EXTENSION, SYRACUSE, N. Y.

✚Bids were received Aug. 5 by the Syracuse Intercepting Sewer Board, Syracuse, N. Y., for the construction of the Teall Ave. Sewer Extension or Drainage Ditch, from: (A) FRANK S. SPOSATTO, Syracuse (awarded contract); (B) Frank George; (C) John C. Schrade; (D) Samuel Renn; (E) Whiting Construction Co.; (F) C. T. Hookway Construction Co.; (G) Mondo Construction Co.; (H) Charles Bonn & Nicholas Marnell; (I) J. F. Leary Construction Co. The item bids were as follows:

	A	B	C	D	E	F	G	H	I
Clearing (lump sum)	$600.00	$300.00	$500.00	$300.00	$100.00	$200.00	$400.00	$250.00	$100.00
11,200 cu.yd. excavation	.45	.45	.55	.49	.60	.50	.49	.50	.50
165 cu.yd. lining	2.00	2.00	3.00	1.74	.285	1.50	3.00	3.00	1.50
1030 lin.ft. 60-in. reinforced concrete pipe sewer, Sect. A	5.80	8.00	8.00	6.95	8.25	7.50	6.30	7.75	8.00
1030 lin.ft. 60-in. horseshoe connecting sewer, Sect. A (alternate)	6.25	9.00	9.00	.....	6.17	7.50	6.00	.....	8.00
1030 lin.ft. 60-in. U-shaped connecting sewer, Sect. A (alternate)	7.60	9.00	8.00	6.64	7.38	7.40	6.20	8.10	9.00
1630 lin.ft. 60-in. reinforced concrete pipe sewer, Sect. B	9.75	11.00	11.50	15.14	14.50	15.00	17.00	16.30	17.00
1630 lin.ft. 60-in. horseshoe connecting sewer, Sect. B (alternate)	9.50	11.35	12.00	.....	12.54	15.00	16.00	.....	17.00
1630 lin.ft. 60-in. U-shaped connecting sewer, Sect. B (alternate)	9.45	11.35	11.00	13.55	13.60	14.00	17.00	13.50	18.00
Mildred Ave. junction (lump sum)	235.00	282.00	500.00	475.00	620.00	400.00	300.00	350.00	800.00
Horn Ave. junction (lump sum)	550.00	526.00	500.00	675.00	900.00	500.00	300.00	500.00	1000.00
210 lin.ft. 10-in. vitrified pipe sewer	.75	.65	.50	.90	1.00	.80	1.00	.50	.60
60 lin.ft. manholes	3.00	3.00	5.00	4.75	5.00	5.00	5.00	4.50	6.00
5 manhole frames and covers	9.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
7 receivers	15.00	20.00	40.00	15.00	20.00	25.00	35.00	15.00	15.00
50 cu.yd. concrete, Class A	7.00	10.00	9.00	8.00	9.00	8.50	8.00	10.00	8.00
270 cu.yd. concrete, Class B	6.75	6.50	8.00	8.00	8.00	8.00	7.00	9.00	7.00
3000 lb. metal reinforcement	.05	.04	.05	.03	.05	.03	.05	.05	.05
40 sq.yd. cobblestone paving	1.00	.50	1.50	.90	1.50	.80	.90	1.00	1.00
960 sq.yd. rubble paving	2.00	1.75	2.00	2.25	2.45	2.60	1.10	3.75	2.50
960 sq.yd. concrete paving	2.00	1.50	2.00	1.55	1.80	2.40	1.10	2.50	1.50
13 M ft. b.m. timber and lumber	40.00	45.00	45.00	49.00	50.00	42.00	35.00	70.00	40.00
1050 posts	.45	.45	.30	.55	.60	.60	.50	.54	.50
10,500 lin.ft. wire fencing fabric (per 100 ft.)	4.00	5.00	2.50	2.39	3.70	3.50	4.00	5.00	2.75
Extended totals	$34,804	$38,984	$40,962	$42,419	$42,522	$41,637	$44,980	$45,234	$49,592

SAUGATUCK RIVER BRIDGE, WESTPORT, CONN.

Bids were received Aug. 10 by Charles J. Bennett, State Highway Commissioner, Hartford, Conn., for the construction of a concrete bridge across the Saugatuck River at Westport, Conn., from: (A) Charles A. Sibley, 902 Chapel St., New Haven; (B) Henry E. Fox, 81 East 125th St., New York; (C) Hudson River Co., Inc., New York; (D) Barker-Bonner, Inc., 18 East 41st St., New York; (E) Barzhagi-Vought Co., Inc., 299 Madison Ave., New York; (F) McHARG-BARTON CO., 171 Madison Ave., New York (awarded contract on alternate 1); (G) Thomas A. Scott Co., New London; (H) Lathrop & Shea Co., New Haven; (I) North Eastern Construction Co., 225 Fifth Ave., New York; (J) Connecticut Good Roads & Construction Co., New Britain; (K) Jobson-Gifford Co., 30 East 42nd St., New York; (L) A. L. Guidone & Sons, Inc., 131 East 23rd St., New York; (M) Daniel F. Toomey, South Norwalk. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M
3000 cu.yd. excavation below mean low water	$4.50	$2.50	$3.00	$4.40	$2.75	$1.20	$2.76	$2.75	$3.45	$2.50	$3.50	$3.50	$1.50
4650 cu.yd. excavation above mean low water	.75	1.50	1.00	3.00	1.00	1.20	1.54	1.50	2.82	2.00	1.50	1.25	1.50
Piles delivered on work													
1800 ft. (a) 10 to 20 ft. length	.08	.14	.10	.40	.12	.12	.1536	14	.13	.12	.12	.11	14
1600 ft. (b) 20 to 30 ft. length	.10	.14	.10	.33	.12	.17	.1536	.16	.13	.12	.15	.115	14
12,000 ft. (c) 30 to 50 ft. length	.15	.17	.10	.25	.12	.17	.1842	.20	.16	.14	.20	.14	18
20,000 ft. (d) 50 to 70 ft. length	.22	.20	.15	.23	.17	.17	.2088	.50	.18	.20	.25	.20	.50
Piles driven in place													
1800 ft. (a) 10 to 20 ft. length	.20	.40	.20	.35	.31	.15	.43	.15	.18	.30	.13	.12	.29
1600 ft. (b) 20 to 30 ft. length	.22	.40	.20	.21	.16	.15	.21	.25	.15	.30	.15	.12	.40
12,000 ft. (c) 30 to 50 ft. length	.27	.40	.20	.17	.10	.15	.187	.30	.10	.40	.16	.14	.60
20,000 ft. (d) 50 to 70 ft. length	.30	.40	.20	.14	.075	.10	.155	.35	.09	.35	.20	.18	1.00
100 tons Riprap in place	2.00	2.00	1.00	2.00	2.00	1.00	3.68	2.50	2.40	3.00	1.75	2.25	1.50
500 cu.yd. 1:3:5 concrete	7.50	7.00	14.00	12.90	8.00	15.00	25.36	9.50	6.80	41.00	8.00	10.00	18.00
1435 cu.yd. Granite ashlar masonry (alternate 1)	28.00	20.50	30.00	33.00	15.75	24.00	35.87	25.50	30.00	30.00	35.00	30.00	28.00
1435 cu.yd. brown stone ashlar masonry (alternate 2)	20.00	22.50	25.00	27.00	17.50	24.00	29.72	25.50	24.75	22.00	27.30	26.00	25.00
1435 cu.yd. granite rubble masonry (alternate 3)	14.00	12.00	15.00	32.00	10.25	21.00	25.79	23.00	24.00	25.00	18.00	19.50	23.00
1.5 M. timber fender piling	60.00	60.00	100.00	80.00	70.00	55.00	80.00	65.00	60.00	150.00	105.00	55.00	70.00
2182 cu.yd. 1:2:4 concrete	12.50	9.00	14.00	13.70	10.75	9.00	19.04	17.50	13.20	12.00	12.50	9.50	20.00
233,300 lb. reinforcement	.03	.03	.04	.032	.03	.025	.046	.04	.03	.035	.03	.03	.05
832 ft. parapet wall	4.25	6.00	3.00	2.70	3.00	2.50	4.29	4.80	5.00	3.00	4.00	3.00	5.00
10,675 sq.ft. concrete walk	.13	.12	.15	.18	.15	.18	.21	.15	.19	.20	.20	.14	.23
1625 ft. concrete curb	.45	.40	.60	.80	1.00	.80	.68	.35	.35	1.00	.60	.50	.75
100 ft. resetting curb	1.00	.30	.20	.12	.50	.15	.37	.25	1.00	.60	.25	.25	.20
1300 gal. pitch waterproof	.30	.30	.25	.18	.50	.25	.307	.20	.20	.20	.20	.30	.30
735 cu.yd. fill on bridge	1.25	1.00	1.50	1.00	1.00	1.00	1.84	.65	.75	1.00	.75	.20	.75
Remove old bridge (lump sum)	$850	$1000	$3000	$7000	$1000	$800	$1228	$2950	$2000	$1000	$1000	$700	$1000
Temporary foot bridge (lump sum)	3000	4000	4000	3000	3000	2500	3267	3000	3500	3000	2500	4500	4000
Extended total—Alternate 1	$131,026	$112,203	$133,980	$154,148	$ 98,401	$101,162	$169,954	$145,341	$133,101	$156,633	$137,057	$120,613	$181,378
Alternate 2	119,546	115,073	126,805	145,538	100,912	101,162	161,129	145,341	125,567	145,153	126,001	114,873	177,073
Alternate 3	110,936	100,006	112,455	152,713	90,508	96,857	155,489	141,754	124,491	149,458	112,656	105,545	174,203

PIER NO. 78—PHILADELPHIA, PENN.

Bids were received Aug. 9 by the Department of Wharves, Docks and Ferries for the construction of the substructure of Pier No. 78 and its adjacent bulkhead shed in the Delaware River from, (A) Snare & Triest Co., 253 Broadway, New York, N. Y., (B) Daniel S. Bader, 1345 Arch St., Philadelphia, (C) Arthur McMullen Co., 149 Broadway, New York, N. Y., (D) American Paving & Construction Co., 211 South Ninth St., Philadelphia, (E) Underpinning & Foundation Co., 290 Broadway, New York, N. Y., (F) Armstrong & Latta Co., Land Title Bldg., Philadelphia. The item bids were as follows:

	A	B	C	D	E	F
Rip rap for revetting the front of the sheet piling, per ton of 2,000 lb	$1.00	$1.25	$1.50	$1.75	$2.00	$1.60
Vertical or bearing piles	17.00	25.00	18.00	15.00	19.00	16.50
Inclined or spur piles	19.00	33.00	18.00	16.00	37.00	23.00
12-in. sheet piling, per horizontal lin.ft. of driven piling	21.00	32.00	20.00	32.00	35.00	26.00
8-in. sheet piling, per horizontal lin.ft. of driven piling	15.00	19.00	13.00	20.00	19.00	17.50
Sawed timber 6-in. thick and under, per M ft. b.m.	55.00	80.00	50.00	65.00	55.00	60.00
Sawed timber, dimension sizes above 6 in. in thickness, per M ft. b.m.	55.00	80.00	50.00	65.00	65.00	54.00
White oak for fenders, per M ft. b.m.	60.00	100.00	50.00	65.00	91.00	66.00
No. 1 concrete, per cu.yd.	6.00	7.50	10.00	12.00	14.00	13.00
No. 2 concrete, per cu.yd.	10.00	7.00	9.00	9.00	9.00	8.00
Master Builders' finish on concrete paving, per sq.yd.	.60	.70	.50	.65	1.30	1.00
Cement finish on concrete paving, curbs, etc., per sq.yd.	.40	.35	.50	.50	1.17	.65
Structural steel, per ton	55.00	82.00	51.00	50.00	66.30	56.00
Reinforcing steel, per ton	55.00	100.00	60.00	50.00	65.00	55.00
Nails, spikes, bolts, nuts and washers, per lb.	.03	.05	.02	.05	.06	.03½
Cast steel column bases, per lb.	.03	.04½	.03	.03	.06	.03½
Mooring posts, complete	125.00	75.00	100.00	78.00	65.00	125.00
Bollards, complete	45.00	75.00	75.00	40.00	15.00	75.00
12-in. drains, c.i.	7.00	5.00	6.00	10.00	3.25	8.00
6-in. drains, c.i.	5.00	5.00	4.00	10.00	2.00	5.00
Bolt sockets, tackle rings, foot holds and miscellaneous steel work, per lb.	.05	.05	.10	.05	.10	.05
No. 1 Trus-Con curb bar, complete, per lin.ft.	.18	.20	.15	.12	.15	.15
No. 2 Trus-Con curb bar, complete, per lin.ft.	.20	.20	.15	.11	.15	.13½
Structural steel curbing, including fastenings, per lb.	.03	.05	.03½	.06	.05	.03½
8-in. c.i. drain pipe, per lin.ft.	1.00	1.25	1.00	1.00	2.00	1.50
Both armor plates, complete, including fastenings	500.00	1500.00	1200.00	1000.00	1750.00	1300.00
Universal safety treads, per lin.ft.	1.00	1.40	1.20	.50	.75	1.50
65-pound 7-rails per ton	36.00	40.00	40.00	28.00	60.00	35.00
No. 6 splices for 85-pound rail, complete, with bolts, nuts and nut locks	2.00	2.50	2.00	10.00	3.00	2.25
9-in. girder rail, per ton	46.00	40.00	50.00	28.00	75.00	43.00
Splice bars, complete, for 9-in. girder rail, including bolts, nuts and nut locks	3.00	3.00	4.00	10.00	10.00	12.00
Tie rods with nuts complete	.75	.75	.70	5.00	25.00	1.60
Standard track spikes, per lb.	.03	.05	.02	.03	.05	.02½
White oak ties, 7x9 in. sawed or hewn, to be set in stone ballast	1.50	1.50	2.00	1.50	3.00	2.70
White oak sawed ties and switch timber, per M ft. b.m.	40.00	100.00	45.00	70.00	110.00	50.00
Stone ballast for railway tracks, per cu.yd.	1.75	2.00	2.50	3.00	3.00	2.25
Iron ladders	10.00	25.00	10.00	50.00	35.00	10.00
6-in. concrete base for granite block paving, per sq.yd.	.80	1.00	1.00	.90	1.75	.85
Granite block paving with sand cushion, per sq.yd.	2.40	3.00	2.40	3.00	3.00	3.25
8-in. straight cut granite curb, per lin.ft.	2.00	2.00	.90	2.50	3.50	2.00
8-in. curved cut curb, per lin.ft.	2.50	3.50	1.50	2.75	7.00	2.85
5-in. bluestone curb, per lin.ft.	.75	1.00	.80	1.00	2.50	.75
No. 3 open-mouth inlet, complete	75.00	110.00	50.00	80.00	150.00	125.00
No. 3 grate-top inlet, complete	75.00	110.00	50.00	80.00	75.00	115.00
12-in. vitrified clay pipe, per lin.ft.	1.00	.75	.25	1.00	1.50	.60
Concrete sidewalk paving, per sq.yd.	1.10	1.50	1.00	1.50	2.00	1.80
Cinder filling, per cu.yd.	.20	.70	.35	.70	2.00	.50
Grading for paving, per cu.yd.	.10	.75	.35	1.50	1.00	.30
Laborers with tools, including superintendence, per hour	.35	.20	.30	.25	.50	.35
Mechanics with tools, including superintendence, per hour	.80	.70	.50	.50	1.00	.75
Extended totals	$516,700	$529,000	$554,662	$569,000	$584,000	$610,000

Contracts to Be Let

Bids received until Sept. 25, 1915.

Filter Plant, Pumping Station, Pumps, Boilers, Force Mains, Stand Pipe and Appurtenances

East Liverpool, Ohio, Sept. 9, 1915.

Sealed Proposals for the construction of a Six (6) Million Gallon Mechanical Filter plant, River Intake, Pumping Station, Pumps, Boilers, Chimney, Stand Pipe, Electric Light Generators, Auxiliary Equipment, Force Mains and other appurtenances, will be received by the Director of Public Service of the City of East Liverpool, Ohio, at his office, Supervision of Water, Water-Works Department, Fourth Street, in said City, until twelve o'clock Noon, Central Standard Time, on Saturday, September 25th, 1915, and will then be opened and read publicly.

All bids shall be made upon the official proposal blanks attached to the instructions to bidders, specifications, and form of contract and bond, which may be seen at the office of the Director of Public Service, East Liverpool, Ohio, or may be had by bona fide bidders upon application to Chester & Fleming, Engineers, Union Bank Building, Pittsburgh, Pennsylvania, on deposit of a certified check for Fifty ($50.00) Dollars, which will entitle bidder to one set of plans and two copies of the specifications, covering the item on which he intends to bid. Proper receipt for each such deposit will be given and the money will be refunded provided plans and specifications are returned in good condition within Ten (10) days after reception of bids.

Each proposal shall be accompanied by a certified check made payable to the order of the Treasurer of the City of East Liverpool, Ohio, of not less than 3% of the total amount of the bid, but in no case shall this check be less than One Hundred ($100.00) Dollars. This check is to be conditioned that if the bid is accepted, a contract will be entered into and the performance of same secured within ten (10) days after notification of acceptance of the bid. In case bid is rejected, or contract entered into, check will be returned. Successful bidders will be required to furnish a corporate surety bond in an acceptable Surety Company, in the full amount of the contract, in accordance with the plans and specifications and further in accordance with Ordinance Number 1470 of the City of East Liverpool, Ohio.

The right is reserved to reject any or all bids.

E. J. SMITH, Director of Public Service.
CHESTER & FLEMING, Engineers,
Union Bank Building, Pittsburgh, Pa.

Bids received until Sept. 24, 1915.

Additional Boiler Capacity

Buffalo, N. Y.

Sealed proposals for Additional Boiler Capacity, Heating Work, at the Buffalo State Hospital, Buffalo, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 2:30 o'clock P.M., Friday, September 24, 1915, when they will be publicly opened and read. Proposals shall be enclosed in an envelope, furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of $625. The contractor to whom the award is made will be required to furnish a surety company bond in the sum of 50% of the amount of contract within 30 days after official notice of award of contract and in accordance with the terms of Specification No. 2312. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the Buffalo State Hospital, Buffalo, N. Y., at the New York office of the Department of Architecture, Room 1224, Woolworth Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposals may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

Dated September 1, 1915.

E. S. ELWOOD, Secretary,
State Hospital Commission.

Bids received until Oct. 19, 1915.

Superstructures, etc. for Elevated Railway

DEPARTMENT OF CITY TRANSIT

754 Bourse Building, Philadelphia, Sept. 9, 1915.

Sealed proposals, properly endorsed and addressed to the undersigned at the office above mentioned, will be received until 12 o'clock noon on Tuesday, October 19, 1915, and opened immediately thereafter, for the following:

Contract No. 511—Steel superstructure and appurtenant work for two-track elevated railway in Front Street from Callowhill Street to south of Girard Avenue, comprising about 4074 linear feet of structure.

Contract No. 512—Steel superstructure and appurtenant work for two-track elevated railway in Front Street and Kensington Avenue from south of Girard Avenue to north of York Street, comprising about 7128 linear feet of structure.

Contract No. 513—Steel superstructure and appurtenant work for two-track elevated railway in Kensington Avenue from north of York Street to north of Ontario Street, comprising about 7769 linear feet of structure.

Contract No. 514—Steel superstructure and appurtenant work for two-track elevated railway in Kensington Avenue and Frankford Avenue from north of Ontario Street to south of Unity Street, comprising about 7653 linear feet of structure.

Plans, specifications and blank forms for proposals can be obtained at the office above mentioned, a deposit of $10 (cash or certified check) being required for each set of plans pending return. Certain of the above contracts may be grouped in single bids, for which alternate proposal forms will be supplied if desired.

Bidders must be skilled and regularly engaged in the class of work for which they are competing.

No bid will be considered unless accompanied by a certificate from the City Solicitor that the provisions of an ordinance requiring proposal bonds on all bids exceeding in amount five hundred dollars ($500), approved May 25, 1860, have been complied with.

The Director reserves to himself the right to reject any or all bids, as he may deem best for the interest of the City of Philadelphia.

A. M. TAYLOR, Director.

Bids received unil Oct. 7, 1915.

Drainage System Extensions

Atlantic City, N. J.

Sealed proposals for the construction of extensions to the Storm Water Drainage System for the City of Atlantic City, New Jersey, will be received by the Board of Commissioners of Atlantic City, when called for, at Chambers of the Board in the City Hall, during a meeting to be held by that body on the seventh day of October, A.D. 1915, at which time and place, during the session of the said Board, the proposals will be publicly opened and read.

The work to be done embraces the building of approximately 1,322 feet of reinforced-concrete drains from three to four feet wide; 6,128 feet of brick and concrete drains from 27 inches to 48 inches in diameter; 6,808 feet of terra-cotta drains from 12 inches to 24 inches in diameter; 6,413 feet of terra-cotta inlet pipes from 10 inches to 12 inches in diameter, together with manholes, catch basins, storm-water inlets and the necessary timber and pile foundations.

Each proposal submitted must be accompanied by a Certified Check drawn upon a National or State Bank or Trust Company, and to the order of City Treasurer of Atlantic City, for the sum of Five Thousand Dollars ($5,000.00).

Specifications and blank forms of proposal can be obtained of John W. Hackney, the City Engineer, and a full set of plans can be obtained from him for the sum of Ten Dollars ($10.00), such sum to accompany the order. This sum will be returned upon surrender of the plans in good condition.

The Board of Commissioners reserves the right to reject any or all bids as provided in the "Instructions to Bidders."

J. B. THOMPSON,
Director of Streets and Public Improvements.